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Vaughan's Seeds

1916

31-33 W. RANDOLPH ST.
CHICAGO

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FOUR VIEWS OF VAUGHAN'S NURSERIES, WESTERN SPRINGS, ILLINOIS

ONE OF OUR PEONY FIELDS

PROPAGATING FRAMES, PACKING SHEDS

A FIELD OF APPLE TREES

ROW AFTER ROW OF BLUE SPRUCE

How to Order

We respectfully request customers to follow these instructions and to fill out order sheets carefully.

Early Orders Kindly send in your order as soon as convenient after receiving catalog. Our rush season comes in the months of March and April. Orders sent as early as possible secure the promptest shipment and from our complete stocks.

Daily filling of seed store orders is the Vaughan rule.

Order Sheets Use the order sheets accompanying this catalogue. One for **Seeds, Bulbs and Garden Sundries,** the other for **Trees, Plants and other Nursery Stock.** Please fill in all particulars carefully and distinctly and keep a copy of your order.

Seed and Bulb Orders should have the quantity required written distinctly in the column provided for same with prices. Flower Seeds may be ordered by name, or by the marginal number.

Plant and Tree Orders should be written on the order sheet provided for these, and should state quantity, size or age required of each variety, with the price for same carried out.

All Trees, Shrubs and Hardy Plants are shipped as soon as weather permits. Tender plants from Greenhouses for bedding, etc., are shipped after frosts are past, usually after May 15th. (Southern shipments any time after February). Mention in your order shipping instructions and date required.

Mistakes These will happen in spite of all care. Write us at once with copy of original order if possible, and mistakes will be promptly rectified. Please do not return goods until you hear from us.

Parcel Post **Fourth Class Mail Matter,** which includes seeds, plants, bulbs, roots, books, tools, insecticides (in dry and paste form), odorless fertilizers and requisites may be forwarded by **domestic parcel post** within the United States. We recommend this mode of conveyance for all seeds and bulbs, where weight permits, also implements, insecticides, etc., where we give mailable weights throughout the catalog.

You will find your Zone Number following your name on the wrapper of this catalog. Please mark this number in the space provided for same on the top right hand corner of all orders which you send to us.

Express Shipments General orders for garden seeds, where **peas, beans and corn** form a large proportion, are best sent this way. Orders over 5 lbs. weight going to 5th Zone and beyond, will travel cheaper than by parcel post.

Our Terms with customers not having an account are strictly cash with order. We prefer not to send C. O. D., but if wanted by that method customers should enclose one-fourth of the amount in remittance with order. No trees, plants or other perishable stock, are sent C. O. D.

How to Send Money Send by New York or Chicago draft, registered letters, or postoffice or express money order; both are cheap and absolutely safe. Small postage stamps are taken as cash, but we prefer larger denominations such as fives, tens or fifteens. Registered letters can be sent from any postoffice, and your receipt sent you by return mail if demanded by you, by which you know it has reached us. If local checks are used, 25 cents must be added to cover the cost of collecting. Make money order payable to "Vaughan's Seed Store."

Free Delivery

We prepay at our option (mail or express) in Local, First, Second and Third Zones from Chicago or New York all Flower and Vegetable Seeds ordered in packets of single packet, ounce, quarter-pound, half-pound pound, and pints of Peas, Beans and Sweet Corn.

Where bought in quantities exceeding the above, and at special quantity prices, add postage at zone rates.

N. B.—Buyers who live beyond the third zone from Chicago or New York may have all the seeds above mentioned prepaid for 5c per lb. or pint, and 10c per quart, additional.

This offer includes the 4th, 5th, 6th, 7th and 8th zones and the dependencies of the U. S.

These Special Free Deliveries do not include C. O. D. shipments, which travel at buyer's expense.

We advise for safety against injury, to use express shipments on parcels weighing over 15 lbs.

Vaughan's

COVER COLLECTION

Giant Pansies

Everyone must admire the Six Grand Pansies truthfully reproduced in color, from nature on the front of this cover.

One can readily picture the all-summer-long effect of a massed bed of these, each having its distinctive color and character, while the giant flowers reach upward on long stems above the prostrate foliage.

Bargain Offer of Giants

No. 1. Yellow with eye
No. 2. Pure white
No. 3. Emperor Wm.
No. 4. Mad. Perret
No. 5. Cardinal
No. 6. Psyche

These **six packets,** ordinarily sold at **10c** each—mailed **Postpaid for 25c.**

Gardeners Supplied

We usually have on our books, names of dependable, experienced gardeners, and are very careful to recommend none but those with good records. No charge is made for this to either party.

Our Responsibility

It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hands, especially one like seeds, which are planted in the ground under varying conditions of soil and climate that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell.

At the same time, in case of any failure to secure proper results caused from some inherent fault in the seeds themselves, Vaughan's Seed Store accepts responsibility, not for crop, but to the extent of the amount of money paid for the seeds, if immediately advised. Or seeds may be returned.

We wish it understood that all our stocks are sold under the following general non warranty:

We Do Not Warrant in any way, expressed or implied, the contents or the description, quality, productiveness or any other matter of any seeds, bulbs, plants, shrubs or trees sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to above conditions, we make this sale at the moderate prices at which we sell our goods.

Parcel Post Rates By Zones

Vaughan's Seed Store at Chicago and New York, covers the United States in a remarkable way to secure cheap postal rates for its many mail order customers.

All parcels under 8 ounces are carried everywhere regardless of zone rates at one cent for 2 ounces.

Packages of such size Vaughan's Seed Store prepays Free. BUT seeds ordered at peck, bushel or five pound rates, or bought in even larger quantities at cheaper prices, should go by freight when possible.

To liberal orders from distant points we add free, special new varieties of value to partly cover increased postage or express charges.

DOMESTIC PARCEL POST RATES
On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions.

	First pound or fraction	Each additional pound or fraction
First Zone Chicago or New York City or 50 miles thereof	5c.	1c.
Second Zone within 50 to 150 miles of either	5c.	1c.
Third Zone within 150 to 300 miles	6c.	2c.
(See our **prepaid offer** above for zones 1 to 3.)		
Fourth Zone within 300 to 600 miles	7c.	4c.
Fifth Zone within 600 to 1000 miles	8c.	6c.
Sixth Zone within 1000 to 1400 miles	9c.	8c.
Seventh Zone within 1400 to 1800 miles	11c.	10c.
Eighth Zone all over 1800 miles and Canada	12c.	12c.

NOTE.—Limit of weight for delivery within the first and second zones, 50 pounds; to Canada 4 lbs., 6 ozs. (postage 60c); to all other zones 20 pounds. If weight exceeds this, we will pack in 2 or 3 parcels (not more) provided money is remitted to cover postage.

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JAN 24 1916

VAUGHAN'S SEED STORE CHICAGO NEW YORK

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Find Order Sheet at end of Book

VAUGHAN'S SEED STORE

CHICAGO — NEW YORK

YOUR grandmother planted a garden.

Perhaps she planted where many summers had yielded their bounty, perhaps the land was claimed from the prairie or the wilderness and virgin soil turned for the sowing. Who of us does not retain with childhood's visions the beloved memory of some enchanted acre with its protecting inclosure of hedge or hewn pickets guarding the treasure within, treasure of primly-regular beds for the early vegetables, of long, clean rows for the midsummer gatherings, of background of slow maturing kinds for the autumn harvest, beds of fragrant Herbs, patches of Sweet Corn, rank growing Bean-vines with yard-long fruit, cool growing Melons, Pumpkins, yellowing with future promise.

Your grandmother planted her garden primarily as an economic measure, but her labor was not all given to utilitarian ends. Out of the crowded hours of her days she found time to tend her "Pineys" with loving hands, to thin out the sprouts from her "Laylocks," to tie up her old-time climbing Roses, to trim her "Spargrass." Around her enclosure she set borders of tall Larkspurs, luxuriant Hardy Phlox, quaint stiff Dahlias, stately Sunflowers, and carpeted the earth at their feet with odorous Grass Pinks, Hen-and-Chickens, bright-faced Johnny-Jump-Ups, Periwinkle, and all the gorgeous army of quick blooming annuals.

You may have inherited that plot of soil mellowed by years of care, endeared by the memory of workers long free of toil, endowed with the benediction of many bountiful harvests, or you may be a pioneer with only a city back yard, but whatever your opportunity, the spirit of your grandmother's garden should be an inspiration and an incentive to delve in the earth.

Much has been said to the public of late years for gardening, the daily papers, trade journals, magazines, lecturers, and even the public schools have co-operated to create and stimulate a desire for the simple and satisfying pleasures of planting and watching the ever amazing miracle of *growing things*.

Vaughan's Seed Store offers you all the facilities for engaging in this delightful pursuit. VAUGHAN'S SEEDS have stood for Sterling Quality from the time your grandmother gardened. We have given forty years to the careful selection of varieties, to elimination of doubtful sources of supply and strains of unproven worth, to perfecting highest possible mechanical purity product. VAUGHAN'S SEEDS have thereby acquired a reputation of unqualified merit. We offer you this product therefore "on honor," without exaggerated or high sounding descriptions or promises.

VAUGHAN'S GARDENING ILLUSTRATED, in the FOUR GREAT DEPARTMENTS mentioned below, covers fully the needs of every branch of planting, whether for the experienced or amateur gardener.

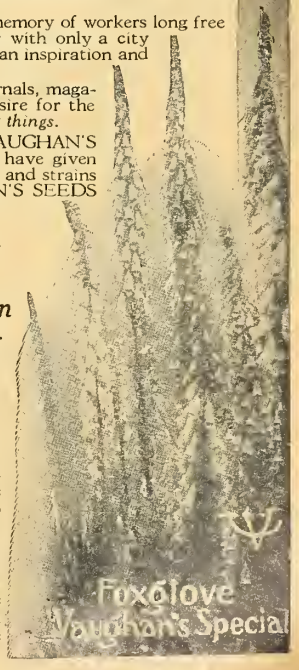
Seeds for the Vegetable Garden ***Seeds for the Flower Garden***
The best in America. Supplied by us for forty years to critical planters.

Greenhouse Plants for House, Lawn and Conservatory
Grown at Vaughan's Greenhouses, 150,000 feet of glass.

Shrubs, Trees and Hardy Plants
Grown on our Nursery Grounds and in out-door frames.

Since the outbreak of the war in Europe all American importers have experienced great and increasing difficulties in securing fancy strains of flower and vegetable seeds such as have been grown and harvested in former years in the belligerent countries. During the two harvest periods that have passed since the beginning of the war we have had our own representative in France, Holland and England, and through his efforts there and by mail facilities we are prepared to offer you an almost complete list of the imported seeds you have usually had from us. These seeds are of the highest germination and purity possible to obtain under the extraordinary conditions of growing and harvesting now existing, and much better than we could have obtained had not our own representative made personal selection. For this reason you will find, in addition to the many domestic grown seeds, an almost complete list of the foreign varieties we have always offered you.

Specimen Flower Spike
Vaughan's Rainbow
Gladiolus Mixture



Foxglove
Vaughan's Special

BE SURE! PLANT VAUGHAN'S

MOST EXTENSIVELY USED AND BEST

For more than a third of a century Vaughan's standard mixtures of grass seeds for different purpose lawns have given the greatest satisfaction, in sure and rapid growth and certainty in desired results.

The processes of cleaning, re-cleaning and testing for germination, not less than the care taken in selecting samples, the finest the seasons and markets afford, have yielded a degree of uniformity in growth and quality, impossible of attainment with less complete facilities and knowledge of sources and methods.

Based on forty years of experience, our grass mixtures are most carefully and skillfully prepared to make beautiful velvety lawns a surety and rapid growth certain.

FROM U. S. GOVERNMENT

A HINT TO THE WISE

Department of Agriculture, Washington, D. C., Bulletin 494

"In procuring seed for a lawn too great care cannot be exercised. Pure seed of high germination is of great importance in securing a good stand of grass.

"Pure Seed is the keynote to a clean lawn, provided the work of preparing the land has been efficiently done.

"Thorough preparation involves not merely the mechanical treatment of the soil to reduce it to a proper seed bed, but the use of weed-free manure and the adoption of a course of treatment previous to preparing for the lawn, which shall serve to eradicate weeds. Such preparation coupled with pure seed, should give a satisfactory stand of grass which should need only the usual care necessary to maintain a lawn after it is once established."

IMPORTANT TO GOLFERS

The best turf grasses for golf links are produced in Europe; the war in progress there has interrupted the importation of these seeds; we sent and still have there a special buyer, who has kept the channel open for shipments to us, while the war goes on.

Golf clubs will find it to their advancage to get the **the latest prices from us,** for these grasses.

Our advice service is at your disposal free of charge; we welcome your inquiries.

VAUGHAN'S PUTTING GREEN MIXTURE

Vaughan's Putting Green Mixture produces the best growth of firm turf adapted to the requirements of the putting green. We make a specialty of adapting it to the conditions of different soils, by the experience of our experts. Do your **"Putting"** on Vaughan grass. One lb. sows 350 to 400 square feet.

Price, 1 lb. 35c; 5 lbs. $1.65; 50 lbs. $15.00; 100 lbs. $28.00.

VAUGHAN'S "GOLF LINK" FAIR GREEN GRASS

The grasses in this mixture endure wear and tear, and retain a fine appearance, which adds much to the pleasure of the game.

Price, 1 lb. 30c; 5 lbs. $1.25; 50 lbs. $12.00; 100 lbs. $22.50. Special prices on large quantities.

Special Quotation.—We shall be pleased to quote special prices to Golf Clubs, Institutions, Parks and others, who require Lawn Grass and Clover Seeds in large quantities.

VAUGHAN'S TENNIS LAWN MIXTURE

Vaughan's Mixture for Tennis Lawns is the best there is for Cricket grounds, Bowling greens, etc. Sow 50 to 60 lbs. per acre for new lawn or bowling green; 15 lbs. to 20 lbs. to improve existing turf. **Price, lb. 30c; 5 lbs. $1.35; 15 lbs. $3.95; 25 lbs. $6.45; 50 lbs. $12.75; 100 lbs. $25.00.**

Cultural leaflet—**"How To Make a Lawn" FREE** with order.

QUANTITIES OF SEED TO USE

25 lbs. for one-fourth acre..... 1 lb. for 350 square ft.
50 lbs. for one-half acre..... 5 lbs. for 1,750 square ft.
100 lbs. for one acre.....10 lbs. for 3,500 square ft.
15 lbs. for 4,250 square ft.

If intended for renovating an old lawn, about half the above quantities are suffiicient for the given spaces.

VAUGHAN'S LAWN FERTILIZER

The high-grade fertilizer sold by Vaughan's Seed Store is immeasurably superior to the best rotted manure. It supplies the essential plant food, which, grass, being a voracious feeder, requires to produce the velvety texture and beautiful color, so attractive and inviting to the eye. Manure has undoubtedly the soil enriching quality, but it also has the serious objections of being unsightly, and has an offensive odor, but worst of all, it contains **many weed seeds.**

Vaughan's excellent **Lawn Fertilizer** does your work better and eliminates a lot of your weed troubles.

DIRECTIONS: Make first application in early Spring, when frost is out of the ground, distribute evenly 25 lbs. fertilizer to every 1,000 square feet of lawn. In seeding down new lawn, scatter double the amount, 50 lbs. of fertilizer on every 1,000 square feet; rake in thoroughly, then sow seed.

Price, 5 lbs. 35c; 10 lbs. 55c; 25 lbs. $1.10; 50 lbs. $1.90; 100 lbs. $3.25; 200 lbs. $6.00; 500 lbs. 13.00; 1,000 lbs. $24.00; 2,000 lbs. $46.00.

HARDWOOD ASHES This is also a splendid fertilizer for the lawn and garden, containing all of the fertilizing elements except nitrogen. If used on the lawn at the rate of a ton or more per acre as a first application, and annual dressing of three hundred pounds afterwards, will insure a thrifty growth of dark color, exemption from ill effects of dry weather and freedom from weeds.

Price, 25 lbs. 50c; 50 lbs. 85c; 100 lbs. $1.50; 500 lbs. $5.00; 1,000 lbs. $9.25; ton $18.00.

CHICAGO PARKS LAWN SEED

GENERAL PURPOSE LAWN MIXTURE

We also prepare special mixtures to meet various conditions of soil and climate. When requested to do so by our patrons, our book "How to Make a Lawn" will be mailed **free of charge** to interested inquirers.

For beautiful lawns in sunshine or shade, pretty grassy places or charming meadows, for extensive parks or hard-used playgrounds, **Vaughan's Grass Seeds** and grass mixtures everywhere produce the highest results, both in picturesque beauty and seviceableness.

Vaughan's "Chicago Parks" and **"Columbian"** are the American Standards in lawn grass seeds.

VAUGHAN'S "CHICAGO PARKS"

Quantities to Use—see opposite page

Vaughan's "Chicago Parks" Lawn Seed is familarly known everywhere in the United States where lawns are made.

It produces a beautiful and enduring turf; and does so in the quickest time possible, with endurance considered, without the aid of cheap "quick showing" grasses, which are only of temporary value.

After many years' trials we have a balanced mixture of American and such European grasses as do best in our climates. We select the finest samples of evident purity and germination.

For a third of a century it has been standard in America, each year adding to its popularity and increased sales.

The great parks and beautiful cemeteries, where best results must be had in producing beautiful and enduring grass, Vaughan's "Chicago Parks" is used almost exclusively.

Many of the show places in New England, Long Island, New Jersey and throughout the "Middle West," Vaughan's "Chicago Parks" has produced those places of beauty.

Vaughan's "Chicago Parks" lawn grass seed is thoroughly cleaned then re-cleaned, this applies to all the separate kinds of seed contained in the mixture, and each lot tested for germination, in the most painstaking and careful manner.

Why buy CHEAP UNCLEANED DEPT. STORE grass seed?

Price, ½ lb. 20c; 1 lb. 30c; 3 lbs. 85c; 5 lbs. $1.35; 10 lbs. $2.65; 15 lbs. $3.95; 20 lbs. $5.25; 25 lbs. $6.45; 50 lbs. $12.75; 100 lbs. $25.00. Postage 8c per lb. extra, if prepaid offer below does not apply.

VAUGHAN'S SPECIAL GRASS MIXTURE

Contains large proportion of finer, more expensive grasses like Rhode Island Bent, Crested Dog's Tail, Creeping Bent, in extra heavy samples, making weight 20 lbs. per bushel; produces turf of closest, finest texture. Sow 50 lbs. to acre. **Price, per qt. 30c; bu. of 20 lbs. $6.50.**

Special Prepaid Grass Seed Offer. On all orders of Lawn Grass Seed amounting to $2.00 and over we prepay transportation within 300 miles of Chicago or New York. See also Prepaid offer on inside front cover page.

VAUGHAN'S "COLUMBIAN"

For Shady Lawns on Shady Soil

QUANTITY TO USE—Sandy Soil, use 1 lb. for 400 square feet; 5 lbs. for 2,000 square feet; 10 lbs. for 4,000 square feet; 15 lbs. for 6,000 square feet; 25 lbs. for one-fourth acre; 100 lbs. for one acre.

On sandy soil and in shade, conditions are met with when making a lawn, which require the use of a special kind of grass seed.

To provide **sure** and **beautiful** lawn grass under such conditions Vaughan's "Columbian" has been grown and specially prepared with exceptional care.

Vaughan's "Columbian" is an excellent mixture for the uses stated above; its record in public parks, expositions and private grounds everywhere in the U. S. justifies its use by every one who needs lawn grass for a shady place or for light sandy soil.

Sow at least 100 lbs. per acre for new lawn, 50 lbs. per acre for thin grass.

Price, Lb. 30c; 5 lbs. $1.35; 10 lbs. $2.65; 20 lbs. $5.25; 25 lbs. $6.45; 50 lbs. $12.75; 100 lbs. $25.00.

VAUGHAN'S DEEP SHADE MIXTURE

Made up of most expensive fancy grass only, like Wood Meadow, Rough Stalked Meadow, Slender Fescue, etc.

Price, per lb. 50c; 5 lbs. $2.25; per bu. of 20 lbs. $7.50.

Vaughan's Lawn Restoring Grass Mixture

Takes hold and grows quickly on wornout or burnt spots. Sow in **very early Spring** or in the Fall during September; also before every Summer rain, on thin places. **Price, per qt. 30c; per bu. of 24 lbs. $6.00.**

VAUGHAN'S "QUICK SHOW" GRASS MIXTURE

Has not the permanency of color of our "Chicago Parks," but makes a respectable showing after first season. Sow 50 lbs. to acre.

Price, per lb. 20c; 5 lbs. 90c; 100 lbs. $15.00.

Kentucky Blue Grass we offer in two grades. Extra Fancy Seed, Sun-dried, twice recleaned. Very high germination. **1 lb. 25c; 5 lbs. $1.00; 10 lbs. $1.75; 100 lbs. $16.00.** Fancy Seed. Actual weight 21 lbs. per bu. **1 lb., 20c; 5 lbs., 85c; 10 lbs., $1.50; 100 lbs. $12.00.**

Red Top Grass Fancy Crop, very short. Solid seed, bushel 32 lbs. **1 lb. 25c; 10 lbs. 2.25; 100 lbs. $18.00.** Common. Unhulled. Bushel 14 lbs. **1 lb. 15c; 10 lbs. $1.25; 100 lbs. $10.00.**

White Clover Extra fancy seed. **1 lb. 75c; 3 lbs. $2.10; 10 lbs. $7.00.** Add 8 cents per pound to above prices if wanted by mail.

VAUGHAN'S Vegetable Seed Novelties and Specialties for 1916

On the following pages we list new varieties of vegetables we consider of merit, and also some particularly good or improved strains of standard sorts. In our opinion a fine stock of a standard much planted vegetable is, as a general proposition, worth far more to the average planter than most of the novelties, unfixed and untried, foisted with alluring cuts and blatant descriptions on a trusting public. Our novelties are all sorts which we have given a thorough trial on our own grounds, and which we have decided to be new and of merit. We regard the renaming of "selected stocks" of old vegetables as being extremely confusing to the planter, and where we offer such, we do so under the name "improved," stating where such improvement lies as regards the standard type in the general trade.

VAUGHAN'S SPECIAL **This Sign** indicates sorts which we grow ourselves or are especially grown for Vaughan's Seed Store.

ASPARAGUS, BONVALLET'S GIANT

VAUGHAN'S SPECIAL The best Asparagus for home or market planting yet introduced to the American public. Large, vigorous and especially selected for freedom from rust. Full description page 15. **Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; lb., $1.35.**

BEANS PURE BRED

Our Bush Beans are grown under our direct supervision or on our own farms in Central Michigan. We have been improving our stock for the past nine years and as a result of this work we are able to offer our customers strains of beans we know to be right. The superiority of our stocks of Beans is based on the following points.

Trueness to Type. Every field is carefully cleared of "off" plants, chance mixture in threshing eliminated by supervision; we are "line breeding." **Vigor**—our seed is selected to be as free from blight or anthracnose as possible, on account of this one point alone we were this year practically the only garden bean growers in the United States who had a fair crop. **Sample**—we put more expense on cleaning and picking beans than does any other firm.

For a complete list of Vaughan's Special Beans read pages 16 and 17.

A FEW NEW BEANS

SURE CROP WAX. An extra early perfectly stringless flat Wax Bean. It might almost be called a stringless Currie's Rust Proof. The pods are long and of golden yellow color which they assume while still very small. Hardy and very prolific. The seed is black. **Pkt., 15c; pint (about 1 lb.), 35c; quart (about 2 lbs.), 70c; ½ peck, $2.40; peck, $4.50.**

MICHIGAN WHITE WAX. A splendid early wax variety of the Dwarf Golden Wax type. Its superior points are, white seed, so that in cooking the rich golden pods keep their appetizing look without discoloration. Has the high eating quality and flavor of the Golden Wax. **Pkt., 10c; pint (about 1 lb.), 35c; quart (about 2 lbs.), 70c; ½ peck, $2.40; peck $4.50.**

STRINGLESS GREEN POD REFUGEE. A stringless strain of the popular Refugee 1000 to 1 Green Pod Bean. A main crop, prolific, high quality sort. The pods are fleshy, round, tender, brittle, and over five inches in length. **Pkt. 10c; pint (about 1 lb.), 20c; quart (about 2 lbs.), 40c; ½ pk., $1.35; pk., $2.50.**

The illustration opposite shows our new warehouse at Ovid, Mich., for the storing of Michigan Grown Beans, Sweet Corn, Field Corn, Potatoes and the like.

DUTCH WINTER OR HOLLANDER—Growing for Seed

OUR NEW BEAN WAREHOUSE AT OVID, MICHIGAN

DUTCH WINTER OR HOLLANDER

Danish Crown

VAUGHAN'S SPECIAL **Stock Seed.** The value of careful and scientific seed breeding nowhere shows to more advantage than in growing cabbage. A small amount of seed produces enough plants for the setting out of a large acreage. The seed cost thus is of minor importance, in view of the relative values of good seed and crop.

See photo. Note the poles marking stock seed heads.

Some years ago we made arrangements with a celebrated Danish Cabbage Seed Grower to raise for us a quantity of Stock Seed of the Dutch Winter or Hollander (Short Stem). For a certain price he agreed to rogue or cull his seed cababges until each plant was just like another—in other words, to grow for us in quantity just such a quality of seed as he, as a grower, would use for stock seed. Needless to say, this strain is now being grown exclusively for Vaughan's Seed Store. (See p. 22.)

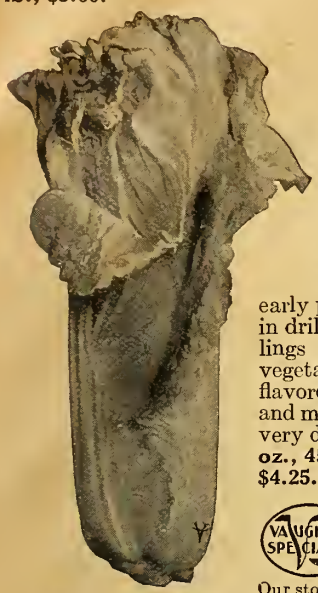
Price, pkt., 10c; ½ oz., 25c; oz., 45c; 2 oz., 75c; ¼ lb.. $1.25; lb.. $4.10.

COPENHAGEN MARKET

A new early cabbage, our customers should not overlook. The earliest large round or flat-headed sort. The ripening is early and uniform, maturing at one time and almost with Early Jersey Wakefield (oblong head). Considering its early season, the heads are remarkably large, averaging ten pounds in weight. One of its chief features is compactness; its leaves, which are light green, are round, dish-shaped and fold tightly together in remarkably compact and solid form; it is so solid that many more plants can be grown on an acre than is possible with most sorts. It has few outer leaves, which permits close planting, and it grows close to the ground on a short stem. The entire crop can be harvested at one time and thus clear the field for other crops. In quality it is exceptionally good; earliness, ripening at one time, compact growth, large heads and high quality are features which have made this cabbage a standard in three years' time. A trade holder and a high money maker for the market gardener. Introducer's stock. **Pkt., 10c; ½ oz., 25c; oz., 45c; 2 oz., 75c; ¼ lb., $1.25; lb., $4.10.**

CABBAGE, DANISH RED STONEHEAD

The heads are hard, round and ball-shaped, very compact and keep well into the winter. The red color is so intensly deep that a cross section shows very little white. In all sections where Danish White cabbage, like "Ballhead" do well this will be found a very profitable sort. **Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.20; lb., $3.60.**



CELERY CABBAGE

CELERY OR CHINESE CABBAGE

Pe-Tsai, Improved Chinese Cabbage. An extensive demand for the seed of this Cabbage has developed in the two years it has been on the market. Its appearance is attractive, resembling a Cos lettuce in shape, it is easily grown and does well in nearly all parts of the country. Planting time is July (turnip planting time) early plantings run quickly to seed. Sow in drills 16 to 20 inches apart, thin seedlings out two or three times. This vegetable may be used as salad, it is mild flavored and can be eaten raw, but boiled and minced with butter and seasoned, is very delectable. **Pkt., 10c; ½ oz., 25c; oz., 45c; 2 ozs., 75c; ¼ lb., $1.25; lb., $4.25.**

CARROT, VAUGHAN'S SELECTED DANVERS

Is a blunt-pointed type of the Danvers Carrot; our seed is grown in New England, the home of the Danvers Carrot. Once tried growers always plant it for there is none better. **Pkt., 10c; oz., 25c; ¼ lb., 40c; lb., $1.40; postpaid. By express 5 lbs., $6.00.**

VAUGHAN'S CHICAGO FORCING. An almost perfect short leaved **forcing** carrot. This is similar to Chantenay in shape. **Pkt., 10c; oz., 20c; ¼ lb., 45c.**

CAULIFLOWER, VAUGHAN'S SNOWBALL

Early, but has leaves enough to keep the heads from being burned by sun—the variety is exceptionally good for **early outdoor planting,** or for forcing. **Pkt., 25c; ¼ oz., 75c; ½ oz., $1.40; oz., $2.50; ¼ lb., $9.00; lb., $32.00.**

SPECIAL ERFURT GROWN. Very dwarf **forcing**—from **Erfurt's most famous** grower—for forcing it has never had an equal. **Pkt., 50c; ¼ oz., $1.75; ½ oz., $3.00; oz., $5.00.**

CHICAGO GIANT SELF-BLANCHING CELERY

A boon to market gardeners, a delight to celery eaters; its superior qualities have made it famous; the demand for it makes it profitable for growers. It is **Extra Early White;** can be sown in February and marketed July 1st, a time of the year when fine celery is a table luxury. It is the **whitest early** celery; it is very sweet, crisp, tender, brittle, with a delicious flavor, giving zest to every bite. It is extremly vigorous in growth, to the extent that its tendency is to throw out a small percentage of off plants. We spare no expense to keep it uniform. **Pkt., 10c; ½ oz., 20c; oz., 35c.**

MALAKOFF SWEET CORN

The **great sweet corn** for northern country; in the northern states and Canada where the season calls for quick maturing this is **the best** of all other sweet corn. In flavor it has no equal, and its popularity because of quality shows it merits the attention it has received. It is a dwarf growing corn, rarely exceeding 4 feet in height; the stalks usually average 2 ears each, which are small, slender, 12 rowed, white cob ears. The kernels are shallow and sweet. We have **specialized** in **this variety.** Our stock seed has been carefully re-selected and the crop harvested on our Michigan Farm.

Grown in that latitude insures an **extra early** strain—and the care we give ensures the very utmost in excellence of quality. **Malakoff** ,under most conditions is the **earliest good quality sweet corn. Pkt., 10c; pt. (about 10 ozs.), 15c; qt. (about 20 ozs.), 30c; 2 qts., 50c; 4 qts., 85c; peck., $1.50; bu., $5.75.**

VAUGHAN'S BANTAM EVERGREEN THE SWEETEST SUGAR CORN

Golden Bantam—Stowell's Evergreen—**concentrated** in Vaughan's **Bantam-Evergreen;** the latest, the greatest achievment, in sugar corn growing.

Why is "Golden Bantam" good? It is **small** but sweet, tender and richly milky, and it is **early.**

Why is "Stowell's Evergreen" the standard sweet corn? It is a **larger** cob of fine, tender, sweet small kernels, which are almost pure white—a main crop.

The perfect **concentration** of the excellent qualities of each of the above is completely accomplished in **Vaughan's Bantam Evergreen,** the breeding of which has been performed so scientifically that no excellent quality of either has been lost; but on the contrary **much improvement in flavor** has resulted, from the combination.

But there are other reasons why **Bantam Evergreen** is **superior** to all other **early** sweet corns—It is just the **right size** of **cob,** containing the rich, jucy, **extra tender, extra sweet,** fine meaty kernels which give delight and satisfaction to the one who eats it. It holds its quality longer after picking than any other variety we know—this is one of the greatest advances in sweet corn in years. It makes **easier selling** and **more money** for the market gardener and fancy grocery trade, because of its splendid merchantable **size,** fine appearance and superior quality; breeders in New England—"the home of sugar corn"—pronounce it the "sweetest corn they ever eat." Our stock now runs better than 85% true to type. **Pkt., 10c; pt., (about 10 ozs.) 25c; qt., (about 20 ozs.) 45c.**

EARLY IOWA

EARLY IOWA SWEET CORN

This is a **Vaughan Special,** which in middle-west conditions produces the **earliest sweet corn of marketable size.** It is a week **earlier** than **Red or White Cory.**

The continuous effort to produce something better, in **sweet corn** has given us **early Iowa.**

The stalks are short, with little foliage and usually have **2** ears to a stalk; the ears contain a cob of 8 rows of fine, tender, sweet, juicy corn, that makes eating a delight. **Early Iowa** is a combination of size and earliness in sweet corn to constitute a desirable product for any home or market garden—the stock we sell is grown on our own farm in Michigan. **Pkt., 10c; pt., (about 10 ozs.), 20c; qt., 30c; 2 qts., 50c; 4 qts., 90c; pk., $1.55; bu., $5.50.**

GOLDEN CREAM SWEET CORN

Golden Bantam and Country Gentlemen combined—this is a **late sweet corn** posessing the quality of "Golden Bantam" in conjunction with Country Gentleman. The kernels being long and slender, and the ears somewhat larger than either of the parent stocks, gives a better and more marketable sized sweet corn than either of the parent stocks themselves. For succession in the home garden; "Golden Cream," "Bantam Evergreen" and "Golden Bantam" may be planted together; the result will be successive treats of choice delectable sweet corn delight. **Pkt., 10c; pt., (about 10 ozs.) 20c; qt., (about 20 ozs.) 35c; ½ pk., $1.00; pk., $1.75; bu., $6.50.**

MAMMOTH WHITE CORY SWEET CORN

We offer a superb strain of this corn, raised on our Michigan farm; it is uniformally 12 to 16 rowed—it is the earliest possible strain. Our germination tests of this, as of all our early corns, show, nearly always over 94%—ten per cent higher than the average of most growers. **Pkt., 10c; pt. (about 10 ozs.) 15c; qt. (about 20 ozs.) 25c.**

LETTUCE

We offer re-selected stocks, grown especially for Vaughan's Seed Store, of the following exceptionally valuable lettuces.

For prices see pages 32 and 33.

GRAND RAPIDS—An extra early uniform selection, excellent for forcing and open ground.

BIG BOSTON—The very finest type of this popular early, head lettuce; many southern planters plant only Vaughan's **selected Big Boston.**

ALL SEASONS—As introducers of this, we always maintain the best strain on the market.

NEW LETTUCES

BLACK SEEDED BIG BOSTON—An improved **shipping** strain of the **Big Boston.** Leaves are slightly smaller; sometimes **heads** harder, does not rot as quickly in cold, rainy weather. This lettuce is in great demand in large southern lettuce sections.

Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., $1.75.

WAYAHEAD—Very early head lettuce, in season about time of "May King." It is larger than May King, and its color is more attractive. The head is of fine golden yellow, and the outer leaves a beautiful light-green; for an early variety it is slow to run to seed. **Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 65c; lb., $2.00.**

ENDIVE, BATAVIAN AUTUMN GIANT

Known as Escarolle in the south. This is the largest in size and finest quality, of any strain of Batavian salad yet offered. It is truly gigantic, its large full heart blanches easily by the ordinary method of tying the outside leaves. Ideal for early fall use; but **does not** stand **severe** frosts. **Pkt., 10c; oz., 30c.**

VAUGHAN'S ONION SEEDS OF SPECIAL MERIT

Our well known strains of "Globe Onions" "Southport Yellow Globe," "Red Globe," "Apple Shaped Red Globe," "Ohio Globe" and others, stand in a class by themselves, which for excellence of quality, few come **near** in competition.

They are raised in the East and middle West where types can best be maintained, and mixtures prevented, ensures keeping quality. Amongst middle **West** planters of **market globe** onions, Vaughan's Strains are standard.

There is a **regretable shortage** of both **Eastern and Western** onion seed this year. We planted an extra large acerage to take care of our fast increasing trade, but we regret to say we shall be far short of supplying our customers regular demands. We must, therefore, reserve the right to limit sales to **customers** only.

MUSKMELONS—VAUGHAN'S SELECTED STOCK (Stock Seeds)

As introducers of **"Osage," "Paul Rose"** and **"Hoodoo"** Muskmelons, we always **have** and **do maintain** the **highest quality seed** of **these strains.**

OSAGE—Vaughan's selected stock—Grown especially for us in the best growing section of Michigan, where this melon is at its best. **Pkt., 10c; ¼ oz., 15c; oz., 25c; ¼ lb., 75c; lb., $2.60.**

PAUL ROSE—Vaughan's Selected Stock—Ten days earlier than Osage. **Pkt., 10; oz., 25c; 2 ozs., 40c; ¼ lb., 75c; lb., $2.60.**

This is everywhere a better melon than the Netted Gem (or Rocky Ford). It is the triumph of the grower in breeding for these points—uniform size, closeness of netting, roundness of form, tough rind, blight resistance.

Quality—The flesh is of fine grain (not stringy) and of the sweetest flavor. **HOODOO** melons from Michigan points bring the highest prices on the Chicago market, in competition with the whole United States.

Size and Shape—The size of **HOODOO** is just right (about the same as Rocky Ford) so that it may be served cut in halves. In shape somewhat more round than the Rocky Ford Gem, a fine feature in packing for shipment.

Flesh and Color—The flesh is of deep orange color and extremely thick, there being only a small seed cavity.

As a Shipper—The netting is ideal, heavy and close; the melon solid and heavy and firm at the blossom end. It is absolutely without a superior in shipping to distant markets.

Prolific—A wonderfully prolific melon, which nearly always, even under unfavorable conditions, produces a fine quality melon quite early in the season. It also withstands blight much better than other varieties.

Originator's Stock, pkt., 10c; oz., 25c; ¼ lb., 70c; lb., $2.50.

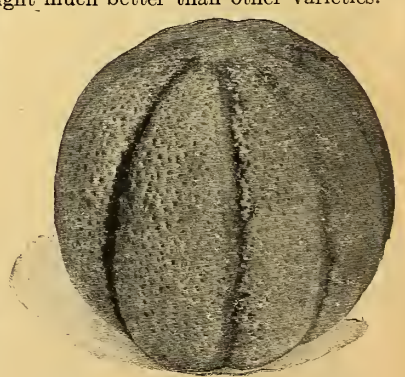
Regular Stock, pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 30c; lb., $1.00.

RE-SELECTED STRAIN HOODOO

(Morrill's)

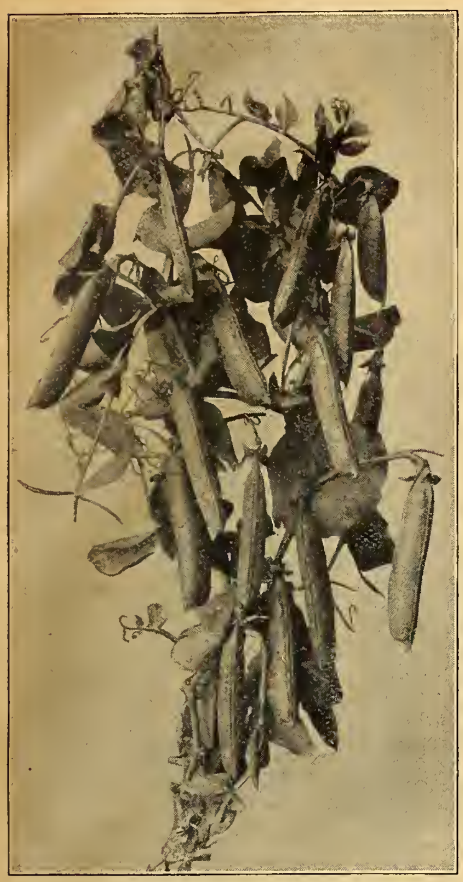
A re-selection made in the Benton Harbor district, a trifle better shipper and more prolific.

Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., $2.75.



HOODOO The "Money Melon"

The Newest and Best GARDEN PEAS



VAUGHAN'S TOP O' THE MORN

VAUGHAN'S TOP O' THE MORN (New)

To improve upon existing varieties of Culinary Peas is not an easy matter. Our Mr. J. C. Vaughan, on his European tour in 1913, observed a new pea in the trial grounds of one of the leading experts which was so remarkable for its size, quality and earliness that he immediately purchased the stock.

This new variety we have named "Top o' The Morn" and we think it outstrips all early dwarf wrinkled varieties for the home garden. In appearance it resembles the "Little Marvel," the pods being similarly blunt-ended but much longer, and as they are produced in pairs and clusters all up the haulm the total increased yield is considerable.

We foresee a great future for this Pea. It is certainly a variety ideally adapted to the needs of the home gardener. Does not require staking—vines attain the height of 18 inches—foliage of a deep green color. Peas firmly packed in big pods and of an exquisite flavor. **Pkt., 15c; ½ pint, 20c (postpaid); pt. (about 1 lb.), 35c; qt. (about 2 lbs.), 60c. ½ pk. $2.00.**

LAXTON'S SUPERB

Semi-Wrinkled

The most important Market Garden Pea introduction since Gradus. The originators, Laxton Bros., of England, consider it second to none of the many peas they have raised. The pods, which are large and slightly curved are twice the size of the Pilot (smooth seeded grade) and can be gathered at almost the same time. This variety possesses a very robust constitution and can be safely sown earlier than wrinkled sorts without danger of the seed rotting in the ground. The market gardener can plant this dwarf pea between other crops like tomatoes, thus producing two crops at the same time on the same land.

On account of its heavy yielding capacity and size of pods, Laxton's Superb is sure to become one of the standard varieties. Every gardener should know this pea. **Price, Pkt., 15c; pt. (about 1 lb.) 25c; qt. (about 2 lbs.) 50c; ½ pk., $1.75; pk., $3.50.**

LAXTON'S SUPERB

LAXTONIAN

PIONEER—"Giant Podded Dwarf"

The second introduction in the Giant Podded Dwarf Class—of about the same general usefulness as Laxtonian. In some sections this pea has done better than Laxtonian, while in others Laxtonian is in greater favor—pods as large as Gradus; almost if not quite as early. The peas are large and of superb flavor. **Price, Pkt., 10c; pt. (about 1 lb.) 25c; qt. (about 2 lbs.) 45c; 4 qts., $1.40; peck, $2.75; bu., $10.00.**

LAXTONIAN—The New Dwarf Gradus

The **tall, extra early,** Gradus pea, with its **large telephone-like pods** and its **exquisite flavored** peas is one of the most popular of all peas. In Laxtonian we have a dwarf type of the Gradus with the same large pods—almost the same in season and, moreover, **requiring no supports**—and the **same superlative quality peas.** This new Dwarf Pea is the **largest podded** of all **the early dwarf peas** and requires **no supports of any kind.** Laxtonian almost makes for itself a new class of garden peas—Giant Podded Early Dwarfs.

This new pea ripens in season a few days later than the first earlies, the pods are as large as Telephone and well filled with **eight to ten large and delicious peas.** We were the first American firm to offer Laxtonian and our seed has been grown in America the past few years under our direct supervision. The American Seed is far more vigorous and productive than English Stock. **Pkt., 10c; pt. (about 1 lb.) 25c; qt. (about 2 lbs.) 45c; 4 qts., $1.40; pk., $2.75; bu., $10.00.**

LITTLE MARVEL—Dwarf

The most satisfactory pea in the average home garden. It is dwarf—needs no support; it is early; it is hardy—stands grief far better than most kinds—it is productive; it remains in condition a week longer than other similar sorts; and its luscious, sugary peas are of the finest flavor and best quality. There is no doubt but that Little Marvel will supplant both American Wonder and Nott's Excelsior, as it is more productive and lasts longer. Grows fifteen to eighteen inches high—season the same as American Wonder and Nott's Excelsior—**dark green** pods, well filled. **Price, Pkt., 10c; pt. (about 1 lb.) 20c; qt. (about 2 lbs.) 40c; ½ pk., 1.10; peck, $2.10; bu., $8.00.**

LITTLE MARVEL

VAUGHAN'S SWEET MARKET

An excellent main crop Pea. It's season follows right after the Extra Earlies and continues to bear much longer than most varieties. Very prolific and of fine quality. Height 2½ feet, strong vigorous vines, many bearing as high as fifty pods, Pods 3½ inches long, filled with 7 to 9 peas, An ideal variety for hotels and institutions requiring a maximum return of shelled peas of fine quality. **Price, Pkt , 10c; pt, (about 1 lb.) 20c; qt. (about 2 lbs.) 35c; ½ peck, 90c; peck, $1.75; bu., $7.00.**

CRIMSON GIANT PEPPER

VAUGHAN'S XXX PARSLEY

This is the handsomest of all the "curly" types of Parsley. Dwarf and compact in growth; a planting as a border in the garden is both ornamental and useful. The leaves are dark green and exquisitely curled. **Pkt. 10c; 2 Pkts. 15c; oz. 20c; ¼ lb. 50c; lb. $1.35.**

EARLY PEPPER, CRIMSON GIANT

An especially desirable sort for the Central States as it matures the earliest of all the large red sweet peppers. In habit the plant grows two and one half feet high and bears a large number of fruits. The peppers are large, run even in both size and shape. The color is deep green when young and a rich red when ripe, flesh thick, sweet and very mild. **Pkt. 10c; ½ oz. 25c; oz. 45c; ¼ lb. $1.50; lb. $4.50.**

RADISH, VAUGHAN'S OLIVE CRYSTAL

This variety belongs to the Summer Radish class so well known to and liked by the Germans under the name May Radishes. Vaughan's "Olive Crystal" is the sweetest of all summer Radishes. Our illustration shows the type well; note the smoothness and clearness of skin, giving it a great advantage in beauty over such summer sorts as Stuttgart and Strassburg. Outside of its looks Olive Crystal has quality; the flesh is as sweet as a nut, entirely without the sharpness so often found objectionable in varieties of the same class. In shape it is that of an olive and the size of a walnut. An added feature is that it may be planted early without running to seed. **Price, pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.**

RADISH, OLIVE CRYSTAL

PEPPER, SMALL PIEMENTO

There are several types of Pimento pepper. We offer the early smaller sort sometimes called tomato shaped. The flesh is extremely thick and very mild. This variety is quite early whereas the larger Pimento peppers are ripened with difficulty in the latitude of Chicago or New York. **Pkt. 10c; ½ oz. 20c; oz. 35c.**

RADISH, GIANT BUTTER
The Best Quality Red Radish

This is by far the largest of the early turnip, forcing radishes, exceeding in size even the Crimson Giant or Wurzburger. By careful selection, Giant Butter has been bred true to type so that there is almost no deviation from its fine round shape. In color it is vivid scarlet. A most desirable greenhouse or hot bed variety for forcing—the tops are extremely short and the tap root is small. The quality is unexcelled, tender, crisp and does not become hollow or pithy. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.**

RADISH GIANT BUTTER

SPINACH, VAUGHAN'S GIANT "FILL BASKET"

A German novelty of great merit—specimens are really "giants" in size—20 inches across not being uncommon. The abundant dark glossy green leaves are attractively crumpled and thick in texture. Early as well as large. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.**

RADISH, SAKURAJIMA

A Japanese radish of immense size; some single specimens of this variety weigh as much as 15 pounds. In shape it is oval with cream colored skin and pure white flesh. The roots are cooked like turnips, but no strong taste accompanies them, such as is frequently present with cooked turnips. Must be sown in May. **Price, pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.25.**

TOMATO, JOHN BEAR

A remarkable new variety of the extra early red or scarlet type. Not as early as Earliana yet there are only a few days difference, and John Bear yields a so much heavier crop of larger, more uniform and more attractive fruits that in total it makes a much more profitable crop to grow than any other extra early variety. **Pkt. 5c; ½oz. 20c; oz. 35c; ¼ lb. $1.25; lb. $4.00.**

TOMATO GOLDEN PONDEROSA

A novelty of merit for the home garden. Fully equal in size to the popular large Ponderosa, it is of golden yellow color. Does not run absolutely true to type as yet, but shows only a small percentage of mixed fruits. Sliced and served with the Red Ponderosa it makes a highly decorative and appetizing table dish. **Pkt., 10c; ½ oz., 30c; oz., 50c.**

NEW SWISS CHARD COOPER'S MAMMOTH

The growing popularity of Swiss Chard is well deserved. There is nothing in the vegetable line which yields equal returns in the home garden. A short row will furnish delicious "greens" all summer. This new mammoth sort is a medium green colored variety of immense size—large chard or midrib of excellent quality, free from the usual "earthy" flavor of the regular chards. **Price, pkt., 10c; oz., 20c; ¼ lb., 60c.**

NEW TOMATO, EARLY DETROIT

The equal, if not the best, of any second Early Purple Tomato yet introduced. Some of the markets, like Chicago, demand a purple colored tomato; Early Detroit fills the bill. It is a variety maturing medium early in season, having the remarkable feature of bearing uniform, large, handsome, smooth fruits through the long season, yielding in the aggregate even more marketable tomatoes than the Standard and popular Beauty, which variety it most closely resembles. The fruits are almost globe shaped, firm, and ship as well as any variety we know.

Both the amateur and the market gardener will be interested in this new sort. It ripens early, bears a large crop, yields a long time, its fruits are large and smooth and the quality is excellent. **Price, pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 85c; lb., $3.00.**

TOMATO, EARLY DETROIT
A Popular Variety of Great Merit

NEW GRAPE OR CLUSTER TOMATO NAPOLEON

This is by far the best of the so-called "dessert tomatoes" which are eaten whole. Immensely productive, 40 to 60 of the small fruits are found fully developed in one cluster. Pinch off some of the blossoms, if increased size is wanted. The flavor is piquant and delicious. **Price, pkt., 15c; 2 for 25c.**

VEGETABLE MARROW
FIRST OF ALL

VEGETABLE MARROW, FIRST OF ALL

The earliest of the English Marrow coming in before any other long variety. Quality excellent and very prolific. **Price, pkt., 10c; oz., 25c.**

ANTIRRHINUM Nanum Grandiflorum

CARDINAL CLIMBER

The following signs have been employed in these pages to distinguish the class to which the varieties so prefixed belong:

⊙ **Annuals.** These attain full growth from seed, flower and die the first year.

⊙· **Biennials.** These grow from seed the first year, bloom and die the next, though some varieties bloom the first year, if sown early enough.

⌐ **Greenhouse Plants.** Start inside and cultivate in pots, or else transplant outside when danger of frost is over.

⌓ **Stove Plants.** To be grown inside all the year round for pots only.

§ **Climbing Plants.** 4 **Perennials.**

Pkt.

4000 **ALYSSUM Benthami Compactum Lilacinum, Lilac Queen** ⊙. Distinct and new variety of the annual Sweet Alyssum with pure lilac flowers. The plants are dwarf and grow upright and the flowers when in full bloom resemble a miniature candytuft. Our trial ground records show the color in the blossoms became more intense as the season advanced.....10

4001 **ALYSSUM Benthami Compactum Lutescens** ⊙. Similar in growth and habit to the preceding but differs essentially in the color of its blossoms which is yellow....15

4004 **ANTIRRHINUM Nanum Grandiflorum, The Fawn** ⊙. A delightful blend of terra-cotta pink and pale yellow, very soft and pleasing; flowers large.....15

4005 **ANTIRRHINUM Nanum Grandiflorum, Wild Rose** ⊙. A new and distinct combination of colors, fine light pink with white throat, yellow center, this latter giving the flower a most attractive appearance, both spike and bloom and individual flowers being large and well placed. Very free flowering.....15

4006 **ANTIRRHINUM Majus Grandiflorum, Cerise King** ⊙ Cerise pink, white throat and white lip, flowers very large, borne on fine long robust spikes, very attractive..15

4007 **ANTIRRHINUM Majus Grandiflorum, Pink Beauty** ⊙ A deep rose pink self, enormous spikes of flowers, individual blooms, exceptionally large, a vigorous grower. 15

4008 **ANTIRRHINUM Nanum, Electra** ⊙. A beautiful salmon maize, and orange. The plants are of distinct habit with fine long spikes. An ideal bedder.....15

Pkt.

4009 **AQUILEGIA, Mrs. M. Nicholls** 4. A great improvement on the old Coerulea, the flowers being large and having much longer spurs than we have seen in any other variety. When established it is very free and has the beautiful coloring of Aquilegia Stuarti, but with much stronger constitution.....25

4010 **BEGONIA, Melanie** ⌓. The color of this new fibrous-rooted Begonia is quite unique, being white, beautifully edged with pink. Its large flowers profusely produced during the whole summer; invaluable for bedding.....25

4011 **BELLIS Perennis Monstrosa Ranunculiflora Alba** 4 The ranunculus-flowered daisies are appointed to supplant by-and-by the common old varieties of Bellis. The disadvantage of the quick opening of the flowers, which is notorious with the Mammoth Daisies, disappears almost completely in the Bellis perennis monstrosa ranunculiflora. The petals, turned inwardly, keep the doubling to the last. The stalks are more slender than the Mammoth Daisies. A pure white.....15

CAMPANULA, Early Blooming—2½ ft. ⊙· Canterbury Bells furnish us a most wonderful array of color in the daintiest shades of the most delicate form. The airy bell shaped blossoms fairly cover the pyramidal bushes. This early flowering strain blooms three weeks earlier than the older sorts which prolongs the season of bloom.

4012 **White.** 4013 **Blue.** 4014 **Rose**.....Each, 15

4015 **CARDINAL CLIMBER** ⊙ § 25 ft. This glorious and absolutely distinct new annual climber is undoubtedly the greatest acquisition to the flower world in years, and the most beautiful and brilliant climber ever grown. It is a strong and rapid grower, attaining a height of twenty-five feet with beautiful fern-like laciniated foliage and literally covered with a blaze of fiery cardinal red flowers from midsummer to frost. The flowers are about 1 inch in diameter and are borne in clusters five to seven blooms each. Like all Ipomoeas it delights in a warm, sunny situation and good, rich soil. The seed should be soaked in water a few hours before sowing and not planted outside until about May first. Pkt. 25 seeds..15 2 pkts. for 25c; 5 pkts. for 50c.

4016 **CELOSIA Thompsoni Magnifica Nana Salmonea** ⊙. Dwarf feathered cockscomb in a particularly attractive salmon color. Useful for pot plants and beds.....15

THE CHINESE WOOLFLOWER

Pkt.

4017 **THE CHINESE WOOLFLOWER** ⊙. Plants grow two to three feet high, the bloom starting early with a central head, round and globular, which often reaches the immense size of two feet in circumference. Scores of branches are thrown out, each bearing a ball of scarlet wool. All these branches support numerous laterals with small heads of bloom mixed with fresh green foliage, so that a plant looks like an immense bouquet splendidly arranged and set in the ground. None of the blooms fade in any way until hit by frost; but all continue to expand and glow with a deepening richness of color, a dark crimson-scarlet.....25

4018 **CHRYSANTHEMUM, Early Flowering Double** ⊙ 1½ ft. The increasing demand for early flowering autumn Chrysanthemum has been met in this double variety, which, although perennial in nature blooms the first year from seed if sown early. The flowers will come about 80% double in the most charming variety of color. The plants are rather dwarf and do best if planted in a rather sheltered position.....15

4019 **CLARKIA, Apple Blossom** ⊙ 2 ft. This family should be better known. It is a very attractive annual, and is grown very successfully in England in beds or borders and in pots for exhibition purposes. Should be grown in a rather cool place. This variety has very double flowers, on long spikes of a dainty apple-blossom pink....15

4020 **COLEUS Hybridus, Rococco** ⊙. Strange and peculiar are the forms and designs of the leaves of Coleus Hybridus, Rococco. The leaves starting from a broad basis, run out into points and are covered with blisters towards the margins. The green, golden yellow surrounded designs which prevail on the margins, appear on white ground and therefore look plastic, and this gives a peculiar charm to the plant.....25

COSMOS ⊙. These beautiful new cosmos are most striking in color. A large percentage come true from seed, both both as to color and doubleness. The single which the which the strain produces are also very beautiful.

4020a **Double Pink Beauty**.....25

4020b **Double White Queen**.....25

Pkt.

COSMOS, Early Flowering Mammoth ⊙ 6 ft. For many years, we of the Northern States have had to be satisfied with the ordinary early flowering Cosmos, whose flower was small and inferior compared to the late flowering varieties, which were taken by "Jack Frost" ere the blossoms appeared. A few seasons ago we discovered, in one of our trips to Europe, a mammoth flowered variety which was in full flower in July. We secured a limited amount of seed and have had it grown for us, and now we can offer it in the following colors:

4021 **White.** 4022 **Pink.** 4023 **Crimson**.....Each 10

4024 **The Bride**.....10

4025 **COSMOS, Lady Lenox, White** ⊙ 7 ft. Some years ago a gigantic early flowering pink variety was introduced under the name of Lady Lenox, since then hybridizers have been endeavoring to create a white companion, which fact has now been accomplished in this charming variety.....10

4026 **DAHLIAS, Cheals' Star or Cosmos-Flowered** ⊙. Quite a new type, the flowers are medium in size, single and semi-double, borne on long stiff stems which render them very useful as cut flowers. The colors range from pure white to various shades of pink and rose.....25

4027 **DELPHINIUM, Blue Butterfly Improved** ⊙. This charming rich blue annual, although popular for some years, has lacked one quality, viz.: size of flower. To remedy this we have been selecting and improving it since it was first introduced, and in this new selection our customers will find a great improvement both in size and color and habit of plant. The introducer's description.....15

4028 **DELPHINIUM Belladonna, Cliveden Beauty** 2. Produces handsome spikes of large flowers of a lovely light, silvery blue.....25

4029 **DELPHINIUM, Barr's Prize Strain.** 2 Double, semi-double and single varieties, in pretty **light blue** shades 25

4030 **DELPHINIUM, Barr's Prize Strain.** Double, semi-double and single varieties, in handsome **violet and purple** shades.....25

4031 **DIANTHUS Hedd. Laciniatus Fl. Pl., Jewel** ⊙ 12 in. Obtained from the well known and very popular Single Fringed Pink Fairy Queen, this novelty is of the same habit and the same delicate color as the latter, from which it distinguishes itself by its double flowers. The flowers are extremely beautiful, large, fully double, nicely fringed, delicate salmon-rose with white edge.....15

4032 **DIANTHUS Heddewigi Fl. Pleno, Brilliant Rose** ⊙ The flowers are large, well doubled and nicely dentated and appear in so great a number but little is to be seen of the long, narrow leaves. Comes true from seed and will prove an introduction of lasting value.....15

4033 **ESCHOLTZIA, Extra Selected Golden** ⊙. We have made a selection from the wild flower of those having the finest deep rich orange color and the largest flowers. The plants also have responded to cultivation and the blossoms are larger in size than the wild sort, but of the same color. Here is the true wild Escholtzia, extra selected.....10

ESCHOLTZIA Canaliculata ⊙. The habit of the plant is compact, and the flowers are produced on erect stems, and when massed a most telling effect is produced, especially in bright sunshine.

4034 **Pure White**.....15

4035 **Sulphur Yellow**.....15

GAILLARDIA. The annual Gaillardias are wonderful for the richness of color, wealth of bloom and easiness of culture. Below we offer two separate colors of these beautiful double flowers which will add to the color scheme in the pink and yellow shades and provide cut flowers for a long period of time.

4036 **Salmonea, Salmon**.....15

4037 **Isabellina, Yellow**.....15

4038a **GLADIOLUS** 2. Saved from selected collection of over thirty-five best named varieties in Giant Childsii class. Hybridized for us by an expert grower of thirty years' experience. All bulbs from this seed should be first-class and many may prove meritorious novelties. Worthy of cultivation by any interested amateur. 250 seeds.....25

Pkt.

4039 **HELIOTROPE, Regina Rosalind** ⊙. Early flowering dwarf, sweet scented Heliotrope with violet red, tending to pink flowers of extraordinary size....25

LUPINUS Polyphyllus 2/. Most beautiful hardy border plants producing tufts of soft green foliage, from which arise in continuous succession the stately spikes of bloom. New and attractive varieties.

4040 **Blue Cloud.** Long spikes of soft lavender-blue flowers with upper petals shaded rose....25

4041 **Eastern Queen.** Flowers blush shaded sky-blue having upper petals yellow, shot rose, very attractive....25

4042 **Ophir.** Flowers of soft blue having soft rose-lilac upper petals which change to purple-red....25

4043 **Rosy Gem.** Flowers of soft rose passing to deep rose....25

4044 **The Bride.** Long primrose spikes shaded rosy peach....25

4045 **Enchantress.** Producing long spikes of soft blue flowers, with upper petals shaded rose, very pretty....25

4046 **Nelly.** Flowers white and rose, produced in long spikes..25

4047 **Yellow Boy.** Flowers soft yellow shaded buff....25

4048 **New Hybrids.** Mixed....25

LUPINUS Arboreus (Tree Lupin) 2/.

4049 **Seagull.** Flowers primrose-yellow....25

4050 **Sunset.** Flowers golden yellow passing to bronzy red...25

4051 **Yellow Gem.** Flowers fine clear yellow....25

4052 **Somerset.** Long handsome spikes of pure yellow flowers.25

4053 **Yellow Queen.** Flowers soft primrose yellow, beautiful..25

4054 **MARIGOLD, Tall French Grandiflora Meteor** ⊙. This introduction has rapidly risen in public favor, it being a new break in French Marigolds. The color is unique—sulphur yellow ground with deep orange margined petals like the Calendula of the same name...15

4055 **MORNING GLORY, Double Snow Fairy** 8 to 12 ft. ⊙§. The plant is very vigorous, frequently attaining a height of twelve or more feet. The flowers appear early and are produced abundantly until frost. The main charm lies in the purity and the quaintness of its blossoms which are pure white and curiously formed, really a flower within a flower....15

4056 **MYOSOTIS Grandiflora Nixenauge, Fairy Queen.** 2/ A Forget-me-not with large blue flowers and trusses with long stems. The best winter flowering variety....25

4057 **NEMESIA Grandiflora Compacta, Triumph** ⊙. Half-hardy annual. Nearly related to the Linaria; free-blooming dwarf bushes for pot culture and open borders..25

4058 **PANSY, Apricot Color** ⊙ 4 to 6 in. A new bedding pansy, which comes true from seed. The color is a pleasing self-colored apricot, very effective....15

GIANT PANSIES, New Early Flowering 4 to 6 in. ⊙ The new strain produces its giant flowers about six weeks earlier than other known types. In the early part of March this year, when the old type Pansies hardly showed any buds the plants of this new strain bore from three to five of their giant flowers.

4059 **Winter Sun.** Golden yellow with dark eye....15

Pkt.

4060 **Ice King.** Silvery white with dark blue eye....15

4061 **Celestial Queen.** Light or sky blue.15

4062 **March Beauty.** Dark velvety blue.15

4063 **Finest Mixed**....15

4064 **PANSY, Giant Minerva** ⊙ 6 in. An odd combination and striking in its effect. The ground color of the flower is bright red and each petal is marked with a very large violet blotch....15

4065 **PANSY, Giant Solfatara** ⊙ 6 in. The Swedish national colors are exhibited by these flowers which are a delicate sulphur yellow ground, with a large deep blue spot....15

4067 **PENTSTEMON, White Newbury Gem.** ⊙ 2/ Large spike of tubular white flowers....15

4068 **PETUNIA, Giant Flowered Dwarf.** ⊙ The flowers of this beautiful new type are of immense size, up to 6 inches across, of great substance, with deeply veined throats and in a rich variety of colors. The plants grow much more compact than other Large Flowering Petunias which makes them especially useful for window boxes, and pots, as well as beds and borders. 3 packets for 65c....25

NEW DOUBLE COSMOS

4070 **PETUNIA Hybrida Grandiflora, Victoria** ⊙. This has the combined advantages of the fimbriata grandiflora varieties and the superbissima, viz.: the flowers are of extraordinary size, nicely fringed, white, and brilliant crimson shaded. The throat, widely opened, shows a magnificent design of network on a broad golden-yellow ground. The plant grows luxuriantly, has thick foliage and produces a large quantity of these magnificent flowers from middle of June till late autumn....25

4071 **POPPY, Nudicaule Album Fl. Pl., White Swan** 2/. An intensely double form of the White Iceland Poppy..25

4072 **POLYANTHUS, Chenies Giant Strain, Red Shades** 2/. The Chenies Giant Strain of Polyanthus, an entirely new strain of giant-flowered Polyanthus, and producing very large trusses of exceptionally large flowers, saved from rich crimsons, scarlets, bright orange-red, deep maroon-purple and maroon margined white....25

4073 **POLYANTHUS Chenies Giant Strain, Yellow Shades.** 2/ The above is an entirely new strain of Polyanthus and finer than anything we have ever seen before, the trusses of bloom are immense and the flowers themselves are exceptionally large and beautiful. Saved from all shades of yellow from primrose to deep orange...25

4074 **RICINUS Laciniatus** ⊙. This variety differs from all others by its delicate structure of its leaves which are deeply cut, well dentated and undulated. The color of the leaves is shining green and the plant will make a charming addition to a foliage group....15

4075 **SALPIGLOSSIS Gloxiniaeflora Mixed** ⊙ 2½ ft. A special selection of the Painted Tube Tongue made by a French hybridizer. The flowers are large and fancifully veined in contrasting colors. It is an annual which should be better known as it is particularly good in beds.15

4075a **SALVIA Splendens, Maroon Prince.** Particularly rich and royal color. A purple violet with a velvety sheen. Should not be grown near the red salvias, but is effective in beds or borders by itself. As a cut flower it may be bunched with the Centaurea Americana the deep violet of the salvia bringing out the lavender of the centaurea..25

4076 **SCHIZANTHUS Wisetonensis Hybrids.** ⊙ One of the finest of large-flowered hybrids in existence, embracing a wide range of colors from almost pure white through delicate shades of pink to bright rose and crimson, also exquisite mauve and lavender tints, many beautifully blotched and pencilled various darker shades....25

4077 **SCHIZANTHUS Grandiflora Hybrids, Rose and Amber Shades.** ⊙ Quite a new strain of pink and rose tints, mostly heavily blotched gold and bronze, but also contains some very delicate and pleasing pinks....25

4078 **STOCK, Early and Large-Flowering Winter Isabella.** ⊙ The mixture of shades in the flowers of the Early and Large-Flowering Winter Stock Isabella is very odd. One might call it yellow-red; however, from time to time either the yellow or the red prevails. The vigorous and quick growth and the willingness to produce flowers, which distinguish the Nizza or Victoria Stocks, are also found in this new variety and consequently this Winter-Stock may as well be used as Summer and Autumn Stock....25

4079 **THALICTRUM Aquilegifolium Hybridum.** 2/ Contains besides the purple lilac colors of the type; pure white, cream, soft lilac and soft pink to the darkest lilac and purple. The plants grow to a height of 3 ft. and bloom in June to July. Any good garden soil suits them, they prefer a fairly moist situation and are specially adapted to half shaded, even entirely shaded positions. Being a hardy perennial, the plants will bloom the second year....25

Sweet

VAUGHAN'S SPENCER OR

		Oz.	Pkt.
3900	**Afterglow.** Bright violet standards shaded rosy amethyst, wings paler blue, waved, requires shading	$0 50	$0 10
3901	**Agricola.** Faint lavender and blush	50	10
3902	**America.** White ground, heavily striped and flaked with bright crimson scarlet. A large bold flower of splendid form	25	10
3903	**Apple Blossom.** Standard very bright rose, wings primrose with a flush of rose tint	25	10
3904	**Asta Ohn.** A soft pinkish lavender self. Flowers very large and beautifully waved. A very charming variety	25	10
3905	**Aurora.** Flowers white, mottled and flaked with bright orange pink	25	10
3906	**Barbara.** Salmon	75	15
3907	**Blanche Ferry.** A giant type of Spencer form, with rose standard and wings white, suffused and tinted with light pink	35	10
3908	**Captain of the Blues.** Pure purple, the margin of the petals is marbled. Very large and distinct	40	10
3909	**Clara Curtis.** A beautifully waved cream of good substance, usually has four blossoms on a stem	25	10
3910	**Countess Spencer.** The original giant flowered Spencer, with finest waved standard and wings, clear pink deepening somewhat towards the edge, but almost self-colored.....¼ lb. 75c	25	10
3911	**Dainty.** White ground, with beautiful picotee edge of rose pink, splendid form	35	10
3912	**Dobbie's Cream.** Deep cream or primrose colored, nicely waved, with an abundance of four-bloom sprays	35	10
3913	**Doris Usher.** Apricott and buff	50	10
3914	**Earl Spencer.** Rich orange and salmon	35	10
3915	**Edrom Beauty.** Salmon orange	35	10
3916	**Elfrida Pearson.** Large pale pink flower, the buds and young flowers having a distinct tint of buff	25	10
3917	**Empress Eugenie.** Light gray flaked with lavender	50	10
3918	**Ethel Roosevelt.** Cream ground, daintily striped with soft crimson	25	10
3919	**Evelyn Hemus.** Cream, with a picotee edging of terra-cotta pink	35	10
3920	**Flora Norton.** Light blue	35	10
3921	**Florence Morse.** Standard richly flushed with a beautiful distinct shade of pink; wings soft blush pink	25	10
3922	**Florence Nightingale.** A very large, finely waved bluish lavender	25	10
3923	**George Herbert.** Rose crimson, suffused with magenta and showing veins in wings	25	10
3924	**Helen Lewis.** Blooms large, orange salmon with pink, especially bright orange standard.	25	10
3925	**Hercules.** A pale rosy pink flower of giant size	40	10
3926	**Illuminator.** Rich salmon pink	..	25
3927	**King Edward VII.** The best pure red Spencer, very large, with especially immense wings	25	10

Sweet Pea Culture Condensed

Trench deeply; manure liberally; plant thinly; stake quickly; water freely; dispod promptly. GEORGE STANTON.

10 Best Sweet Peas

Our collection of 10 best Spencer Sweet Peas is so well and favorably known as not to need an introduction to our friends. It is sufficient to say the same care has been taken in making this selection as in former years, and we are confident they will more than please the purchaser.

One (regular size) packet of each **10 for 50 cents,** postpaid. If bought separately would cost $1.00.

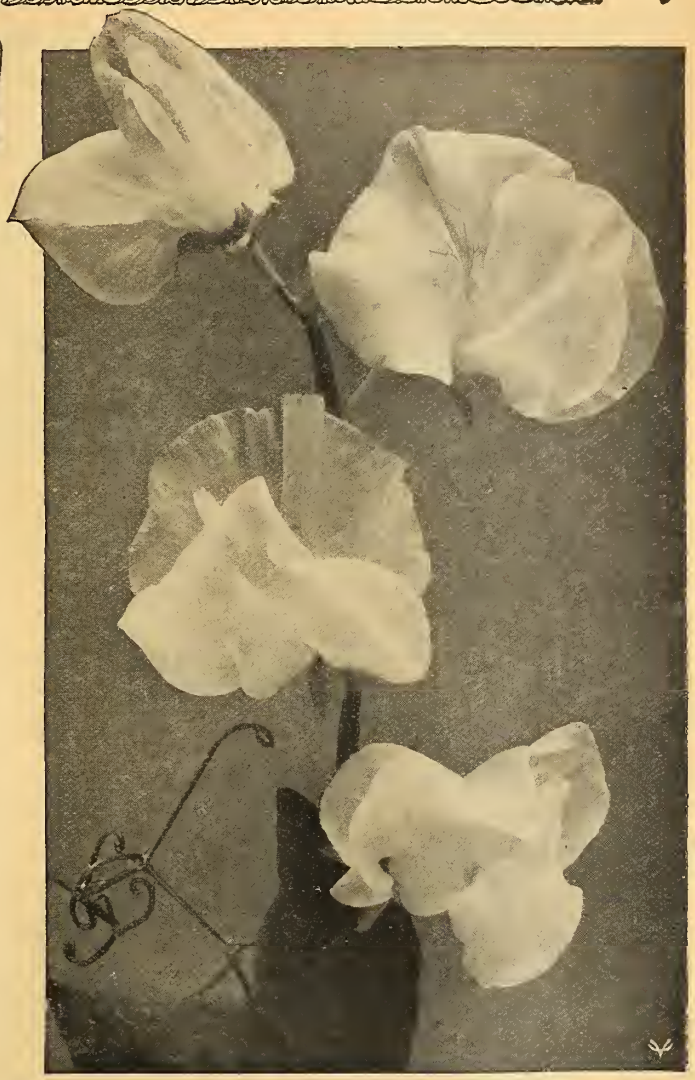
We cannot make any change in varieties.

Orange King. Edrom Beauty
White. King White
Lavender. Margaret Madison
Pale Pink. Elfrida Pearson
Old Rose. Rosabelle
Picotte Edged. Dainty
Bicolor. Mrs. A. Ireland
Crimson. King Edward VII
Deep Pink. Hercules
Maroon. Nubian

Peas

BUTTERFLY VARIETIES

		Oz.	Pkt.
3928	**King White.** Produces gigantic flowers of an absolutely pure white. Compared with White Spencer the entire vine seems to be twice as vigorous; the flower is of a purer white, of better substance and more finely placed on the thick, long stems. The standard is of finest form, decidedly frilled and waved, and terminates beautifully at the throat. Wings large, waved and gracefully cover the keel	$0 50	$0 10
3929	**Margaret Atlee.** Rosy, salmon pink on a creamy buff ground. Immense wavy standard, inclined to double. Large wavy wings	50	10
3930	**Margaret Madison.** A beautiful self colored azure blue. A lovely shade	40	10
3931	**Marie Corelli.** A bright glowing crimson, almost a self color	30	10
3932	**Maud Holmes.** Rich crimson Spencer, fine large flower and quite sunproof	25	10
3933	**May Campbell.** Standard and wings marbled and veined carmine on cream ground	40	10
3934	**Miriam Beaver.** Light apricot and buff	75	15
3935	**Mrs. A. Ireland.** Standard bright rose-pink, with creamy base, wings blush	25	10
3936	**Mrs. Cuthbertson.** Standard rose-pink, wings nearly white an improved Blanche Ferry	40	10
3937	**Mrs. Hugh Dickson.** A light salmon pink on cream ground, strong grower, throws four flowers to a stem	25	10
3938	**Mrs. Routzahn.** Buff or apricot ground flushed and suffused with delicate pink	25	10
3940	**Mrs. Townsend.** White suffused and edged with blue	25	10
3941	**Nettie Jenkins.** Pale lavender mauve	50	10
3942	**Nubian.** Fine chocolate color	40	10
3943	**Othello.** Of immense size, with large drooping wings, rich maroon	40	10
3944	**Primrose.** Deep primrose or creamy yellow of largest size	25	10
3945	**Rainbow.** Soft rose color in fine hair lines on ivory white	40	10
3946	**Rosabelle.** A very fine large rose-colored flower, giant size and a strong grower producing abundance of sprays of fours	50	10
3947	**Royal Purple.** Rich purple	75	15
3948	**Senator.** Claret and chocolate stripe on French gray ground, large and most distinct	25	10
3949	**Stirling Stent.** A deep salmon colored flower; less influenced by weather than any other variety of its class	40	10
3950	**Tennant.** Purplish mauve, a large, fine flower, and a good grower	35	10
3951	**Thomas Stevenson.** Bright orange scarlet, almost a self	40	10
3952	**Vermilion Brilliant.** A brilliant scarlet of splendid form. The standard is very bold and beautifully waved	50	10
3953	**Wedgewood.** A lovely self blue	50	10
3954	**White.** Flowers very large and of magnificent Spencer waved form. Stems as a rule carry four blossoms	25	10



3960 **VAUGHAN'S SPECIAL MIXTURE, Spencer Varieties.** In offering this mixture we are giving our customers the cream of this class in all possible color variations, and we are confident many happy surprises will result, as we have included in this not only the above sorts but many others which are new and striking in this class. ¼ lb. 75c, oz. 25c; pkt. 10c.

New Spencer Varieties

3961 Fiery Cross. Has all the appearance of live fire, the color being a scorching fire-red, or scarlet, without any shading and which scintillates and glitters in bright sunlight, thus adding a glowing, fire-like sheen which radiates over the flower. Unlike most of the orange-scarlet varieties, it does not scorch or burn even during extended periods of intense sunshine, therefore it can be grown in all soils without shading. The beautifully waved and fluted flowers are borne freely in threes and fours, well placed on long stout stems. **Pkt. 10 Seeds, 25c.**

3962 Hilary Christie. Standard salmon-orange edged with fiery orange-scarlet: wings rosy salmon: most decorative, strong grower, good size and form. **Pkt. 10 Seeds, 25c.**

3963 The President. It is wonderfully brilliant, in fact, it might be termed a glowing scarlet self. The flowers are of the largest size, carried on strong stiff stems, usually in fours, always beautifully waved even when well expanded, and most harmoniously placed. **Pkt. 10 Seeds, 25c.**

5 Best Spencer Sweet Peas 25c

Our 10 Best Sweet Pea Collections have been so popular, we believe a collection of 5 Best Sweet Peas would be welcomed by those having a small garden; so we take pleasure in offering the following 5 Best Sweet Peas. (1 regular size packet of each) **for 25 cents.**

White. King White. **Crimson.** King Edward VII.
Lavender. Margaret Madison. **Maroon.** Nubian.
Deep Pink. Hercules.

HARDY PLANTS NEW, RARE and MERITORIOUS

WITH each publication of our General Descriptive Catalogue, it is our ambition to continually make some new additions in all our departments, not merely with the object of having a large list of Novelties with illuminated descriptions for our customers to experiment with—we first give each a fair trial whether it be a vegetable, a flower, a garden implement or an insecticide, and if we consider it an improvement on existing varieties, and as in the case of a flower, has some new and attractive qualities, then we list it with the full confidence of offering something that will do justice to itself, and to our name.

The plants offered on this page are in particulars as described, quite distinct advances both in color, size and form on the older kinds.

ACHILLEA PTARMICA, Perry's White. A great improvement on "The Pearl"; very large pure white flowers in clusters, borne in the greasest profusion all summer. Invaluable for cutting. Each **25c**; Doz. **$2.50.**

ANCHUSA Myosotidiflora. A new species from the Orient growing 10-12 inches high, covered early in Spring with sprays of Forget-Me-Not like flowers. Has the appearance of huge clumps of Forget-me-nots all summer. Each **35c**; Doz. **$3.50.**

ANEMONE JAPONICA, Geante Des Blanches. Very large pure white single flowers. Each **25c**; Doz. **$2.50.**

Loreley. Large semi-double; bright silvery pink. Each **35c**; Doz. **$3.50.**

ASTILBE ARENDSI. This type is one of the most decorative for the hardy border, forming massive clumps with an abundance of flower spikes in June and July. Thrives best in semi-shady and damp situations.

Brunhilde. Feathery panicles of creamy rose, tinged lilac.

Kriemhilda. Salmon rose, very good.

Pink Pearl. Pyramidal spikes of about 2 ft. high, a lovely pink color. **Any of the above.** Each **50c**; Doz. **$5.00.**

CAMPANULA Lactiflora Alba Magnifica. Flowers pure white, borne in large heads on erect stems. 4 ft. Each **50c**; Doz. **$5.00.**

DELPHINIUM, Lorenco De Medici (New). Large circular pink flowers, tinged faint sky-blue, 4-5 ft. The best pink delphinium. Each **$1.00.** Named Delphiniums in variety, see page 92.

EREMURUS Elwesianus (New). A stately border plant producing strong stems 10-12 ft. high, with soft rose flowers. Each **$1.50.**

GAILLARDIA, Lady Rolleston (Rare). This variety has very large flowers, four inches in diameter; a rich pure yellow in color. Each **35c**; Doz. **$3.50.**

GEUM COCCINEUM, Mrs. Bradshaw. A splendid variety with very large double flowers of a striking fiery red color; free flowering. Each **25c**; Doz. **$2.50.**

HEUCHERA (Alum Root), Nancy Perry. Beautiful sprays of bright coral pink; very fine. Each **35c**; Doz. **$3.50.**

Walker's Variety. An improvement on Sanguinea. Bright red. Each **35c**; Doz. **$3.50.**

LAVENDULA Nana Atro-purpurea (New). Very dwarf, neat neat bushes with rich purple flowers, a month earlier than common lavender. Each **35c**; Doz. **$3.50.**

NEPETA Mussini. An excellent plant for the rock garden or border, covered with blue flowers from early Summer to Fall. Each **25c**; Doz. **$2.50.**

PAPAVER ORIENTALE, Lady Moore. The finest salmon pink, enormous flowers born on stiff stems. Each **50c**; Doz **$5.00.**

Perry's Pigmy. Flowers 3 inches across, dwarf habit, excellent for bedding. One of the finest introductions the past year. Each **50c**; Doz. **$5.00.**

Perry's White. A decided novelty, being a pure white with a crimson blotch at the base of each petal. Each **50c**; Doz. **$5.00.**

PYRETHRUM, Queen Mary. Very large pure pink double flowers. Very attractive. Each **50c**; Doz. **$5.00.**

THALICTRUM Dipterocarpum. A new introduction from China. Very graceful plumes of rosy purple flowers and conspicuous yellow anthers. Prefers a semi-shady place. Each **50c**; Doz. **$5.00.** See illustration, page 103.

PAPAVER—Lady Moore (Large); Perry's Pigmy (Small)

ASTILBE ARENDSI

THE HOME VEGETABLE GARDEN

Vegetables from the home garden afford the best table luxuries you can secure. No market vegetables ever have either the sweetness or flavor or those just gathered from your own garden. You don't need a big lot; from a few feet of ground a supply of vegetables for a family can be had. In the garden work there is education, health and independence.

1915 SEED CROPS

In general we may say that vegetable seeds are the shortest for many years. Not only are the European seeds extremely short, but on account of shortage in labor, poor harvest conditions, ignorance of green help, they are behind their usual high standard, both as regards mechanical quality and selection to type. The presence of our representative in Europe since last June has put us in a position where we are perhaps better able to furnish our usual supply of such seeds than any other American firm. In America we have had far from a normal season—wet weather does not produce good seed harvests. **Beans** are a practical failure and many kinds are almost out of the market. **Onion Seed** is twice its normal price. Other short items are **Paris Golden Self-Blanching Celery**; Carrots (European grown); Cucumbers, Herbs, Peas (dwarf varieties); Large Pepper, Radish (the forcing sorts), Salsify almost a failure; Spinach very short; Squash and Rutabagas.

Our prices are low, much lower than the market warrants, as we have based our figures on costs before many of the advances.

Order early. Stocks sold out are almost impossible to replenish.

Cut one year roots two years after planting; two or three year roots, year after setting.

ASPARAGUS ROOTS AND SEEDS

To kill asparagus beetle, mix 10 parts flour, 1 Hellebore; dust with it. Insecticides—After cutting, arsenate of lead or Paris Green.

ASPARAGUS ROOTS AND SEEDS

ASPARAGUS ROOTS

	Doz.	100	1000
CONOVER'S COLOSSAL. 1 year old roots	$0.10	$0.50	$ 4.00
PALMETTO. 1 year old roots	.10	.50	4.00
COLUMBIAN MAMMOTH WHITE. 1 year old roots	.10	.50	4.00
BONVALLET'S GIANT. 2 year old roots	.25	1.50	10.00
CONOVER'S COLOSSAL. 2 year old roots	.15	.75	5.00
PALMETTO. 2 year old roots	.15	.75	5.00
COLUMBIAN MAMMOTH WHITE. 2 year old roots	.15	.75	5.00
ARGENTEUIL. 2 year old roots	.25	.95	8.00
3 YEAR OLD ROOTS. Transplanted plants for forcing.			
BONVALLET'S GIANT	.50	2.75	22.00
CONOVER'S COLOSSAL	.30	1.50	12.00
PALMETTO	.30	1.50	12.00
COLUMBIAN MAMMOTH WHITE	.30	1.50	12.00

If to go by mail add for postage as follows: 1 year old roots, **5c per doz., 35c per 100**; 2 year old roots, **8c per doz., 50c per 100**; 3 year old roots may be shipped by express only.

EARLY GIANT ARGENTEUIL—Famous Parisian Asparagus, grows to large size, vigorous and fairly free from rust; superb flavor. Our seed is from one of the largest Asparagus plantations near Paris. **Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.**

BONVALLET'S GIANT—Best variety for home and market gardens yet introduced (see illustration on this page). **Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; lb., $1.35.**

ASPARAGUS CULTURE. Sow thickly in early spring; then in one or two years transplant at distance of 9 to 12 inches apart, in rows 3½ feet between them. Asparagus can be cut from such seeding in 3 to 4 years.

PALMETTO—Standard light green grass. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.**

COLUMBIAN MAMMOTH WHITE—Large semi-white shoots—without earthing up. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.**

BARR'S MAMMOTH—Similar to Palmetto. Does better in some soils than in others. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

CONOVER'S COLOSSAL—A large, fast growing variety. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

ARTICHOKE, GREEN GLOBE—Perennial, large flowering heads, cooked like Asparagus. Matures second year; not hardy in the North. **Pkt., 10c; oz., 30c.**

JERUSALEM ARTICHOKE ROOTS—Best hog food known. Easily grown. Three bushels seed acre, enough to keep 20 to 30 hogs from October to April. Cut and plant like potatoes. **Lb., 30c; 3 lbs., 75c.**

Chicago, by freight or express: **Pk., 75c; bu., $2.00; bbl. (2¾ bu.), $4.25.** New York: **Pk., 15c; bu., 50c; bbl., $1.00,** to be added to these prices.

THE GREATEST ASPARAGUS

BONVALLET'S GIANT ASPARAGUS

MOST RUST PROOF

BONVALLET'S GIANT IS THE BEST ASPARAGUS WHETHER GREEN OR WHITE

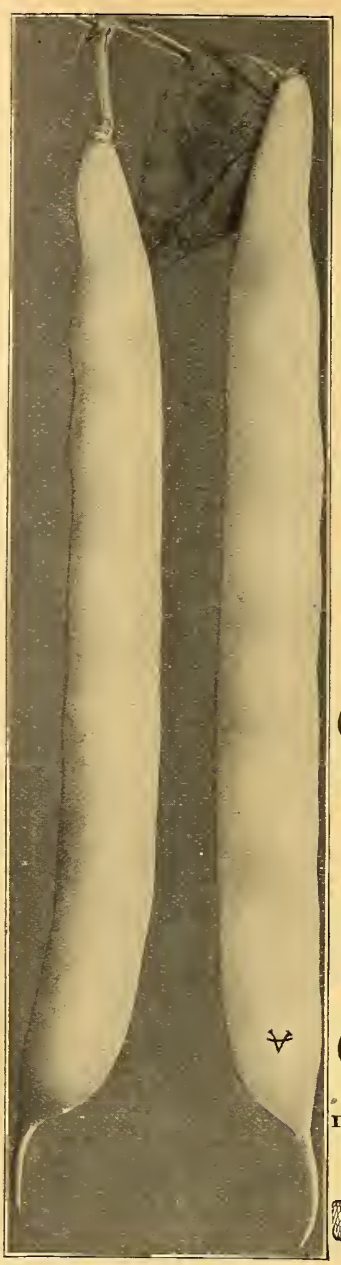
LESS THAN HALF NATURAL SIZE

The photograph above illustrates the attractiveness of this grand "grass." We think no other variety now on the market equals it. Bonvallet's Giant is equally good, grown white or green. The white grass is produced by planting deeper than for the green sort, the stalks being cut underneath as the tips show above the ground. Bonvallet's Giant is now planted by the market growers in the Middle West to the exclusion of almost all others on account of its extreme vigor and rust resistance. Usually it produces a crop a year in advance of other sorts. Moreover, the cutting period is longer than other sorts, as stalk-crowns do not divide until quite tall.

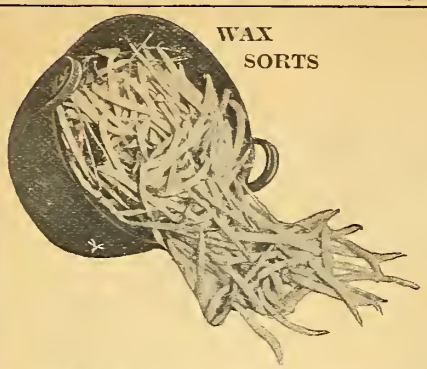
This variety is a selection made by a veteran French grower from a healthy, vigorous plant which had resisted the blight of rusts which had destroyed the balance of a large field of Argenteuil Asparagus. Our strain has been improved each year by careful reselection.

Roots 2 years old, doz., 30c; 100, $1.75; 1,000, $12.00.
Three-year-old transplanted plants, doz., 50c; 100, $3.00; 1,000, $25.00.
Seed: Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; lb., $1.35.

DAVIS KIDNEY WAX



MOST POPULAR MARKET GARDEN BEAN



WAX SORTS

VAUGHAN'S

The 1915 Bean crop is the shortest on record. Following last year's very short crop, many sorts are practically out of the market this year. Anthracnose (rust), blight, frost and wet weather all combined to ruin the season's output. Hundreds of acres were abandoned and many others did not return the seed planted. As growers, we have been selecting our seed stocks for years to keep them as free as possible from Anthracnose (rust) and this year we are rewarded with a fair crop on nearly all varieties, where other growers

BLACK PENCIL POD WAX

VAUGHAN'S SPECIAL

Bushy, heavy yielding vines, 15 inches high, bear, round, 6 to 7 inches long, thick, stringless, rich yellow pods, containing black seeds of excellent quality; a splendid sort for the home garden. **Pkt., 10c; pint (about 1 lb.), 30c; quart (about 2 lbs.), 60c; ½ pk., $2.25; pk., $4.00.**

WARDWELL'S WAX

VAUGHAN'S SPECIAL

In the prairie soils of the west, gives exceptionally fine results; but in some other localities is inclined to rust, the pods are uniformly 7 inches long, flat, brittle, entirely stringless, straight, finely shaped, and beautiful yellow color, making them quite distinct and attractive. This is a fine yielder, and for either home or market garden has merit that gives satisfaction. **Pkt., 15c; pint (about 1 lb.), 35c; quart (about 2 lbs.), 70c; ½ pk., $2.40; pk., $4.50.**

WARDWELL'S WAX

DAVIS KIDNEY WAX

The handsomest of all the early Wax Beans. The pods are long (seven inches), straight, very uniform and clear waxy white. The vines are vigorous, very prolific and fairly rust resistant. We are constantly improving the variety in this respect, using only the seed from unaffected vines. The dry beans are kidney-shaped, clear white and excellent to use as a Navy Bean for baking. For snap beans in the home garden they should be used while young, before they become stringy. The best market garden wax bean. **Pkt., 10c; pint (about 1 lb.), 30c; quart (about 2 lbs.), 60c; ½ pk., $2.25; pk., $4.00.**

ROUND POD KIDNEY WAX

VAUGHAN'S SPECIAL

Is early, of vigorous growth, heavy yielding vines, entirely stringless long pods, which are entirely edible and of fine flavor. Of the round pod varieties this is one of the best. **Pkt., 10c; pint (about 1 lb.), 30c; quart (about 2 lbs.), 60c; ½ pk., $2.25; pk., $4.00.**

New Wax Bean—**SURE CROP.** See novelty pages. An almost rust-proof new Stringless Wax Bean. **Pkt., 15c; pint (about 1 lb.), 35c; quart (about 2 lbs.), 70c; ½ peck, $2.40; peck, $4.50.**

IMPROVED GOLDEN WAX

VAUGHAN'S SPECIAL

A medium early variety and a heavy cropper, on vines of vigorous bushy growth, with good rust-resisting nature. The pods are golden yellow, fleshy and solid, brittle, waxy texture and have an exquisitely rich butter flavor, excellent for home and market garden. May be sown any time to early fall with the assurance of a good crop. **Pkt., 10c; pint (about 1 lb.), 30c; quart (about 2 lbs.), 60c; ½ pk., $2.00; pk., $3.75.**

VAUGHAN'S SPECIAL

IMPROVED GOLDEN WAX

HAS DISTINCT BUTTER FLAVOR

VAUGHAN'S SPECIAL

IMPROVED GOLDEN WAX

OTHER KINDS

CURRIE'S RUST-PROOF GOLDEN WAX

VAUGHAN'S SPECIAL

Is early, very hardy and nearly rust-proof. The pods are long golden yellow and are crisp, tender and fine eating—the seeds are black; this is much planted. **Pkt., 10c; pint (about 1 lb.), 30c; quart (about 2 lbs.), 50c; ½ pk., $2.00; pk., $3.75.**

HODSON WAX

VAUGHAN'S SPECIAL

The greatest yielder of all garden varieties. Season medium early, vines bear a mass of long straight pods, resembling the Davis Wax in shape and quality; a remarkable wax bean. **Pkt., 10c; pint (about 1 lb.), 25c; quart (about 2 lbs.), 50c; ½ pk., $1.85; pk., $3.50.**

Our Bean "Packets" contain a very liberal amount of seed. The price of 10c includes postage. When purchased at our store or sent by express these packages contain more seed. The prices below, except for packets, do not include postage. If to go by mail add postage for one pound per pint, two pounds per quart. **Pkt.** of any of the following, 10c.

	Pt.	Qt.	½ Pk.	Pk.
CHALLENGE BLACK WAX. Early; pods tender and stringless; seeds black	$0.30	$0.60	$2.25	$4.00
STRINGLESS REFUGEE WAX. Very productive; pods long, stringless and brittle	.30	.50	2.00	3.75
PROLIFIC BLACK WAX. Very early; prolific long pod	.30	.60	2.25	4.00
VALENTINE WAX. Second early, prolific; pods yellow	$0.30	$0.60	$2.25	$4.00
GOLDEN EYE WAX. 18 inches. Early, large flat pods	.30	.60	2.00	3.75
FLAGEOLET WAX. Resists rust; pods large flat yellow	.30	.60	2.25	4.00
YOSEMITE WAX. Exhibition variety. Pods thick, 10 to 12 inches long, golden yellow	Crop Failure			
MICHIGAN WHITE WAX. A white seeded high quality bean of the Golden Wax type	.35	.70	2.40	4.50
MONSTER STRINGLESS. Stringless. Largest pod of the bush varieties. Pkt., 15c; 2 for 25c	...	...	....	....

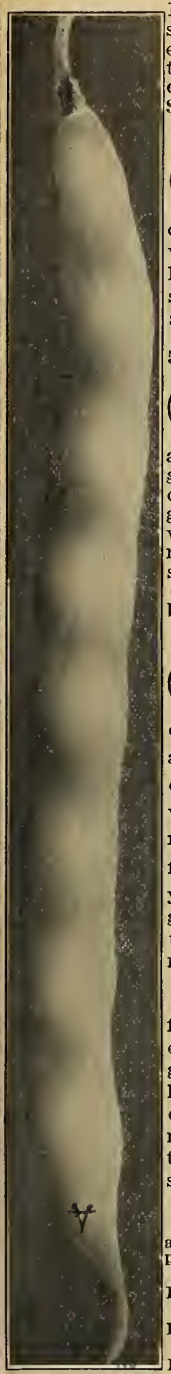
SUPERB BEANS

GREEN SORTS

failed entirely. We have set aside a supply of our specialties to take care of our regular trade. However, WE RESERVE THE RIGHT TO REJECT ORDERS FOR BEANS ALONE. The principal shortages are all wax beans, particularly Davis Wax (very short with us), and Wardwell's; in green pods, Stringless Green Pod, Black Valentine and Full Measure. For the home garden we recommend Wardwell's, Improved Golden Wax and Round Pod Kidney Wax, in wax sorts; Early Valentine, Stringless Green Pod, Bountiful and Stringless Refugee, in green pods.

STRINGLESS GREEN POD

Early and very prolific; long, round, straight, thick, meaty pods, entirely free from strings or fiber, of rich deep green color, they are very attractive, and excellent quality has given them many seasons of ever growing popularity. It is now a great leader and staple for general purposes. In the garden where green pod beans are desired this sort is quite indispensable. Plant every two weeks for succession until September. **Pkt., 10c; pint (about 1 lb.), 30c; quart (about 2 lbs.), 50c; ½ pk., $1.75; pk., $3.50.**



STRINGLESS GREEN POD

GIANT STRINGLESS GREEN POD

An immense type of Improved Earliest Valentine, and nearly as early. The pods have all the excellent qualities of the original, with the advantage of much greater size, which enhances their appearance greatly. With stringless green pod for succession this is a splendid sort to plant. **Pkt., 10c; pint (about 1 lb.), 30c; quart (about 2 lbs.), 50c; ½ pk., $1.75; pk., $3.50.**

LONGFELLOW—(Round Pod)

Very handsome, nearly stringless, beautiful, soft green pods, 7 to 8 inches long, straight and round, are borne on very prolific vines. These elegant appearing pods are delicious when cooked, and are unexcelled for the home garden, they ripen uniformly (an early 6-weeks), plants are 14 to 16 inches high—for market gardeners this is a most profitable sort. **Pkt., 10c; pint (about 1 lb.), 20c; quart (about 2 lbs.), 40c; ½ pk., $1.35; pk., $2.50; bu., $9.00.**

IMPROVED RED VALENTINE

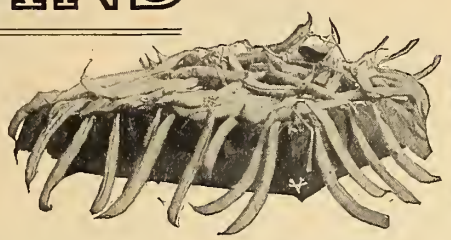
Is very hardy and germinates in cold ground where other sorts would not. They are also very early; vines about 15-inches high, yield well, pods are round and fleshy, eaten young are of good quality; the seeds are red spotted.

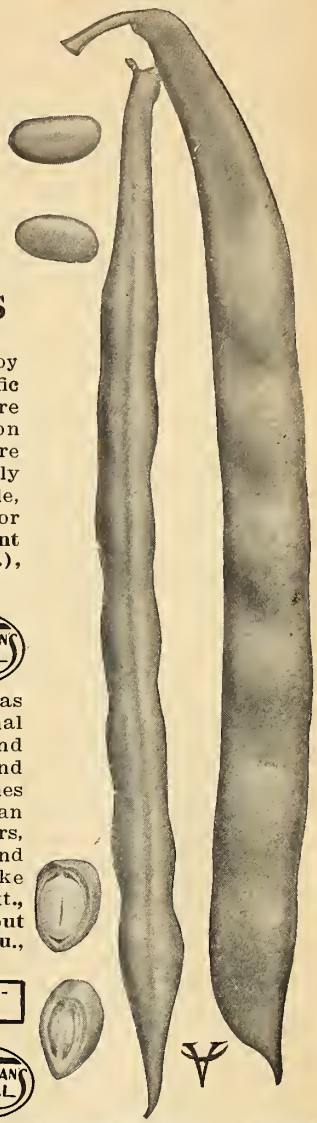
The demand for a hardy early bean of good quality has made an established reputation for this excellent standard sort.

For market garden and home use it is an early, easy winner of trade and has been found to be profitable as it has always been dependable. This splendid variety is offered in the greatest confidence, by Vaughan's Seed Store that it will always make good. **Pkt., 10c; pint (about 1 lb.), 20c; quart (about 2 lbs.), 35c; ½ pk., $1.25; pk., $2.25.**

RED VALENTINE—The Earliest Green Pod Bean

Buy Early Plant Early





VAUGHAN'S BOUNTIFUL STRINGLESS

BOUNTIFUL STRINGLESS

—Flat Pod

A "Long Yellow Six Weeks," improved by earlier growth, hardiness, and more prolific yield. The pods are better, larger, more tender than the original, and in addition are very handsome, an important feature for exhibitions. They have a distinctly fine quality which makes them desirable, useful and profitable for either home or market garden planting. **Pkt., 10c; pint (about 1 lb.), 20c; quart (about 2 lbs.), 35c; ½ pk., $1.25; pk., $2.25.**

BLACK VALENTINE.

Is one of Vaughan's Seed Store specials, which has developed great popularity, it has many good qualities to recommend it. It is not as early as "Improved Red Valentine," the original strain, from which this was developed and improved, but it is suited to both **early** and **late planting**, as its hardy nature overcomes light frost. The pods are a third longer than Red Valentine and grow in great clusters, perfectly straight and round. All around splendid qualities and fine appearance make it a grand sort for market gardeners. **Pkt., 10c; pint (about 1 lb.), 20c; quart (about 2 lbs.), 40c; ½ pk., $1.35; pk., $2.50; bu., $9.50.**

For our Parcel Post Offer on Beans, see inside front cover

REFUGEE OR 1000 TO 1

A producer of remarkably large crops. Compared to Valentine it is similar in general qualities, with pods a third longer and tapering to a point; they are perfectly round. Pkt., 10c; pint (about 1 lb.), 20c; quart (about 2 lbs.), 35c; ½ pk., $1.25; pk., $2.25.

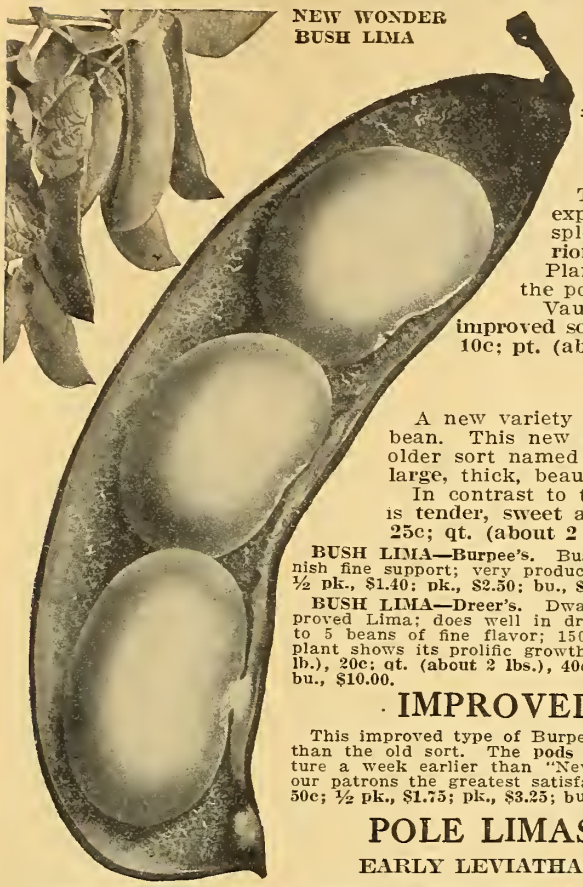
FULL MEASURE GREEN POD.

A new main crop variety of bush bean—a Stringless, Round, Green Pod Bean. Pkt., 10c; pint (about 1 lb.), 30c; quart, (about 2 lbs.), 50c; ½ pk., $1.65; pk., $3.00.

OTHER LEADING SORTS

The prices for quarts do not include postage; if to go by mail add postage for two pounds per quart. Any of the following, pkt. 10c.

	Pt.	Qt.	½ Pk.	Pk.
EXTRA EARLY REFUGEE, similar to the Refugee; two weeks earlier	$0.20	$0.35	$1.25	$2.25
BROAD WINDSOR. An English Dwarf Bean, eaten shelled, best of class	.20	.40	1.35	2.50
DWARF HORTICULTURAL. Late Heavy yielding. Flat yellow pods spotted with red	.30	.50	1.75	3.50
EARLY MOHAWK. Productive, long flat pods. Early, rather stringy	.20	.35	1.25	2.75
EARLY ROUND POD. SIX WEEKS. Early sort for market. Good yielder	$0.20	$0.35	$1.25	$2.25
EARLY YELLOW. SIX WEEKS. Similar to round sort, with flat pods	.20	.35	1.25	2.25
IMPROVED NAVY. Fine field sort	.15	.25	.85	1.50
WHITE KIDNEY. For shell beans	.20	.30	1.15	2.00
RED KIDNEY. For same use as white	.20	.30	.90	1.75
TRIUMPH OF THE FRAMES. Small, French bean. Good under glass. Pkt., 15c; ½ pt., 20c	.30	.60	....	....
WHITE MARROW. Good shell bean	.20	.30	1.15	2.00



NEW WONDER BUSH LIMA

Special Postpaid Offer—Read Inside Cover Page

LIMA AND

NEW WONDER BUSH LIMA

THE IDEAL BUSH LIMA

The recognized standard of bush lima bean quality, so considered by critical experts of highest authority. For general purposes Vaughan's Strain of this splendid sort has attained a degree of popular approval which attests its superior merit.

Plants are large, prolific, compact and long bearing, maturing in mid-season; the pods are very uniform, slightly curved and usually contain three seeds.

Vaughan's New Wonder, bred from one of the earliest bush limas, is a greatly improved sort in compactness, little tendency to make runners, and in earliness. Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.). 40c; ½ pk., $1.50; pk., $2.75; bu., $10.00.

FORDHOOK BUSH LIMA BEAN

A new variety which greatly improves the older "Dreer," "Potato" or Kummerle" bush bean. This new sort grows very erect, not coming in contact with the ground as did the older sort named above; the pods are twice the size of the "Kummerle" and contain 4 to 5 large, thick, beautiful green beans.

In contrast to the old sort which was dry and mealy, this new Fordhook bush lima bean is tender, sweet and juicy; a richly palatable bush lima bean. Pkt., 10c; pt. (about 1 lb.), 25c; qt. (about 2 lbs.), 45c; ½ pk., $1.75; pk., $3.25.

BUSH LIMA—Burpee's. Bush 15 to 20 inches high, 24 to 30 inches diameter, large white seeds, thick stems furnish fine support; very productive and splendid quality. Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., $1.40; pk., $2.50; bu., $9.00.

BUSH LIMA—Dreer's. Dwaft variety of Dreer's Improved Lima; does well in dry seasons; pods contain 4 to 5 beans of fine flavor; 150 to 200 pods on a single plant shows its prolific growth. Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 40c; ½ pk., $1.50; pk., $2.75; bu., $10.00.

BUSH LIMA—Henderson. Crop reliable, very productive, form compact, free from mildew. Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 30c; ½ pk., $1.10; pk., $2.00; bu., $7.50.

IMPROVED BUSH LIMA—BURPEE'S

This improved type of Burpee's Bush Lima is distinguishable for larger pods and beans than the old sort. The pods are larger, the vines are heavier producers and they mature a week earlier than "New Wonder." Vaughan's Strain of this excellent sort gives our patrons the greatest satisfaction. Pkt., 10c; pt. (about 1 lb.), 25c; qt. (about 2 lbs.), 50c; ½ pk., $1.75; pk., $3.25; bu., $12.00.

POLE LIMAS

EARLY LEVIATHAN

Equals the main crop varieties for large pods. Its early maturing quality gives it exceptional value, where frost would kill a less hardy sort. Clusters of 5 to 8 pods grow together, and they are full of fine beans of excellent flavor. Growers familiar with "Siebert's Early" or "Jersey" will find the Early Leviathan give splendid results. Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., $1.25; pk., $2.25; bu., $8.00.

SIEBERT'S EARLY LIMA. Is hardy, early and an enormous producer, a grand variety for northern climates. Pods are dark green, medium long, well filled with 3 or 4 large, tender, fleshy beans of excellent quality. Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 30c; ½ pk., $1.10; pk., $2.00; bu., $7.50.

KING OF THE GARDEN. A climber that blooms and produces to end of the season. Uniform pods, 5 to 8 inches long, filled with beautiful beans of superior quality. Pkt., 10c; pt., (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., $1.10; pk., $2.00; bu., $7.50.

An ounce of Beet Seed is generally sufficient for a home garden. It requires from 5 to 6 lbs. to sow an acre.

Closely allied to Beet is Swiss Chard, which is the most satisfactory vegetable for summer greens. See complete list of varieties, page 51.

VAUGHAN'S

CROSBY'S EGYPTIAN
THE MOST POPULAR EARLY BEET

OUR KEY TEST. Is performed by means of damp blotters, and a proven sample of a similar variety of known germination. Thus the vitality of all our seeds is correctly determined and real percentage of growth ascertained.

CROSBY'S EGYPTIAN

Vaughan's strain of this excellent beet is always maintained at a standard of such reliability that it yields the best results and therefore gives the greatest satisfaction to our patrons. We select to retain the fine qualities of the original "Early Flat Egyptian" from which this has been bred and add uniform shape and greater thickness.

It is very early; has deep red color; is smooth, tender; has sweet flesh, highly palatable. It has to be grown with the greatest care to retain earliness. Its size and fine appearance enable market gardeners to obtain high prices for this splendid sort, which is fine for bunching. A superlative strain.

VAUGHAN'S SELECTED STOCK. Pkt., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; lb., $1.25. By express: 5 lbs., $5.50.

CHOICE STOCK. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c.

VAUGHAN'S FIRE BALL

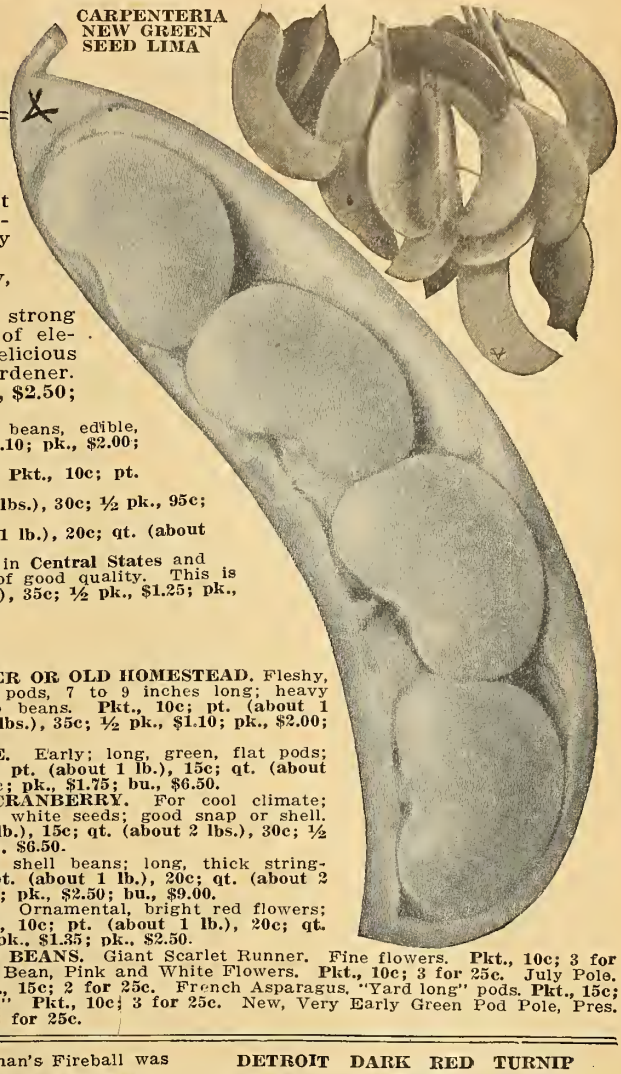
Are you gardening for profit or pleasure? In either case this beet will give you most satisfactory results. It has no superior and in some respects no equal; market gardeners who cater to particular people and fancy trade find this a winner. It is early maturing with "Crosby's Egyptian," of fine globe shape, rich deep red color, and the flesh is solid and very sweet. The tops are small, which do not permit such rapid work in bunching, but permit closer planting than larger topped sorts. This is a beet to make money by, as its handsome appearance makes it a ready seller. Pkt., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; lb., $1.25.

LONG SMOOTH DARK BLOOD. Long, slender roots seldom more than 2 inches through, matures rather late, but is an excellent keeper. Flesh is dark red, sweet and tender. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; by express, 5 lbs., $3.00.

EDMAND'S EARLY. One of the best, round, well formed, has only one tap root, flesh is deep blood red, very sweet and tender. They do not grow large and coarse, have small tops, they can be planted close. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; by express, 5 lbs., $3.00.

HALF LONG BLOOD. A splendid winter sort, half the length of "Long Smooth Dark Blood," but equally heavy, because thicker. Always smooth, rich dark red flesh, sweet, tender and crisp. Never woody. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c; by express, 5 lbs., $3.50.

POLE BEANS



CARPENTERIA NEW GREEN SEED LIMA

CARPENTERIA POLE LIMA

THE PERFECT POLE LIMA.

Expert gardeners declare that **Vaughan's "Carpenteria"** is the **"most perfect** pole lima bean." The beautiful velvety green tint of the handsome, large beans, indicates the exceptionally fine quality this highly prized sort possesses.

The fine green tint remains with this bean long after becoming dry, which proves that the high quality endures.

Vaughan's Carpenteria is as prolific as any white lima; the vines are strong and vigorous, having many stalwart runners bearing great quantities of elegant pods which contain usually four big, full, fat, juicy beans of delicious flavor. A big money maker as a main crop variety for the market gardener. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 40c; ½ pk., $1.40; pk., $2.50; bu., $10.00.**

FORD'S MAMMOTH. Pods grow in large clusters, and contain 5 to 7 good beans, edible, green or dry. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., $1.10; pk., $2.00; bu., $7.50.**

CHALLENGER OR DREER'S IMPROVED. Thick pods, good size and flavor. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., $1.25; pk., $2.25; bu., $8.00.**

LARGE LIMA. Very attractive. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 30c; ½ pk., 95c; pk., $1.85; bu., $7.00.**

EXTRA EARLY JERSEY LIMA. Old standard; small pods. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 30c; ½ pk., $1.10; pk., $2.00; bu., $7.50.**

IDEAL POLE LIMA. Excepting only "Carpenteria," this is **best** for **market** in **Central States** and where main crop can mature. Pods are large, some 8 inches; long, flat beans of good quality. This is a selection from "White Lima." **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., $1.25; pk., $2.25; bu., $8.00.**

If by mail add postage for 1 lb. per pt., 2 lbs. per qt.

POLE BEANS

Need Support

KENTUCKY WONDER WAX. The best **pole wax bean** for **northern planting;** it is similar in habit of growth to "Kentucky Wonder Green Pod;" and **bears as early,** or when about as **high** as the **average bush bean.**

Pods are **beautiful golden yellow,** and so fleshy that often the **thickness** surpasses the **width;** make delicious eating. **Pkt., 10c; pt. (about 1 lb.), 25c; qt. (about 2 lbs.), 45c; ½ pk., $1.50; pk., $2.75.**

FILL BASKET POLE BEAN. New German green pod—with pods of immense size; superior quality, very productive. **Pkt., 10c; 3 pkts., 25c.**

EARLY GOLDEN CLUSTER WAX. Long, stringless; fine quality; pods in clusters; pure white seeds. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 40c; ½ pk., $1.35; pk., $2.50; bu., $9,50.**

BURGESS STRINGLESS GREEN POD. Small, white beans; good for baking; long bearing vines. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., $1.25; pk., $2.25; bu., $8.00.**

CREASEBACK. Early; long, round, green, stringless tender pods; white beans. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 30c; ½ pk., 95c; pk., $1.85; bu., $7.00.**

KENTUCKY WONDER OR OLD HOMESTEAD. Fleshy, stringless; flat, green pods, 7 to 9 inches long; heavy cropper; splendid snap beans. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., $1.10; pk., $2.00; bu., $7.50.**

DUTCH CASEKNIFE. Early; long, green, flat pods; white seeds **Pkt., 10c; pt. (about 1 lb.), 15c; qt. (about 2 lbs.), 30c; ½ pk., 85c; pk., $1.75; bu., $6.50.**

HORTICULTURAL CRANBERRY. For cool climate; early; flat green pods, white seeds; good snap or shell. **Pkt., 10c; pt. (about 1 lb.), 15c; qt. (about 2 lbs.), 30c; ½ pk., 85c; pk., $1.75; bu., $6.50.**

LAZY WIFE. Good shell beans; long, thick stringless pods. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 40c; ½ pk., $1.35; pk., $2.50; bu., $9.00.**

SCARLET RUNNER. Ornamental, bright red flowers; good snap bean. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 40c; ½ pk., $1.35; pk., $2.50.**

SIX FINE FOREIGN BEANS. Giant Scarlet Runner. Fine flowers. **Pkt., 10c; 3 for 25c.** Two Colored Fire Bean, Pink and White Flowers. **Pkt., 10c; 3 for 25c.** July Pole. Fine tender pods. **Pkt., 15c; 2 for 25c.** French Asparagus, "Yard long" pods. **Pkt., 15c;** Wax Pole "Fill Basket." **Pkt., 10c; 3 for 25c.** New, Very Early Green Pod Pole, Pres. Roosevelt. **Pkt., 10c; 3 for 25c.**

BEETS

"Our early beets were extra fine this year. Vaughan's Fireball was early and the color the deepest darkest red we have ever seen—and they can't be beat for flavor."—H. C. Oven, Ovid, Mich.

CRIMSON GLOBE

Second Early and Main Crop.

This variety is very extensively planted for **second early** and **main crop** purposes; a beet of excellent quality equal to the "Detroit" for **home use,** but is earlier and not so dark. Medium size, globe shape, uniform, without rootlets and is perfectly smooth, about 10 inches around. Foliage is small and of rich purple bronze color. Rich blood red flesh; sweet, tender and never stringy. A splendid sort. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c, prepaid; 5 lbs., by express, $3.50.**

DETROIT DARK RED TURNIP

Main Crop

The top notch cropper in all western states; is unequaled in this respect.

Vaughan's Strain of this perfect **turnip shaped** beet, gives highest results in quality as well as in volume of crop. Has small tap root, small tops that are upright; fine for market bunching. Skin, dark blood red, **flesh bright red;** sweet, tender, delicious. A real winner in either home or market garden.

Vaughan's Selected Stock. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c; by express, 5 lbs., $3.50.

VAUGHAN'S CHICAGO MARKET

A main crop variety of great merit; is turnip shaped, medium size, tops rather small, and has a fine tap root. The color is **perfect dark blood red;** the **leaves** are **dark glossy red,** almost black; does not soon over-grow when left in the garden and is a fine keeper.

For the home garden this is a splendid variety. **Pkt., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; lb., $1.25.**

ARLINGTON IMPROVED. Early deep round form, medium size, dark blood red; does not become stringy; sweet and tender at all times. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**

BASSANO EARLY FLAT RED. One of the earliest, flesh tender, white and rose in color. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; by express, 5 lbs., $3.00.**

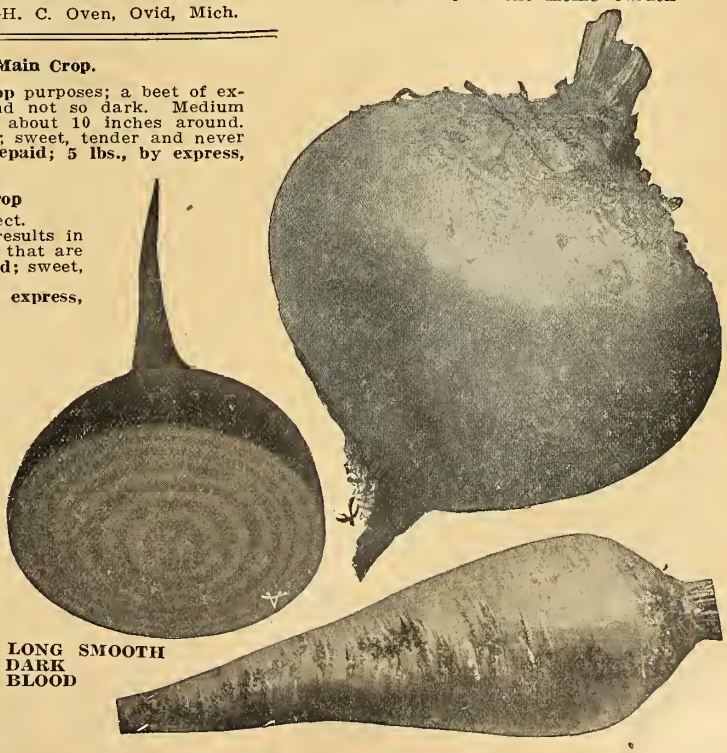
DEWING'S EARLY BLOOD TURNIP. Good color, medium size, smooth and handsome. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; by express, 5 lbs., $3.00.**

EARLY ECLIPSE. Roots globular, small tap root, very small collar. Flesh dark red, zones lighter shade, very sweet, crisp and tender, especially when young. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c; 5 lbs., $3.50.**

ELECTRIC. Early as Egyptian, well liked in Eastern markets. Is almost round, leaves small, color very dark red rich crimson, flesh zoned. Flavor delicate, rich and sugary. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c; by express, 5 lbs., $3.50.**

IMPROVED EARLY EGYPTIAN. The best variety for forcing and first early crop. Roots are very dark red, rounded on top, flat beneath, **small tops. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; by express, 5 lbs., $3.50.**

DETROIT DARK RED TURNIP
A Main Crop in the Home Garden



LONG SMOOTH DARK BLOOD

See Page 56 for Mangels, Sugar Beets, (Stock Roots).

VAUGHAN'S

EARLY JERSEY WAKEFIELD

VAUGHAN'S SELECTED STOCK

EARLY OBLONG VARIETIES
EARLY JERSEY WAKEFIELD

Our strain of this most popular sort combines in the highest degree the essential features so important in an extensively planted variety. Earliness and hard-heading qualities in this sort are of utmost importance to the planter; with the greatest care in growing, testing, cleaning and trials, we have produced seed to which we are confident none is superior.

This is the best extra early oblong, conical-shaped head variety for planting in the United States; more seed is planted of this sort than of all others of the same type. The small outside leaves permit close planting.

Vaughan's Selected, American Grown. Pkt. 10c, ½ oz. 20c, oz. 30c, 2 ozs. 50c, ¼ lb. 80c, lb. $3.00.

LARGE JERSEY or CHARLESTON WAKEFIELD

Has uniform heads much larger than Early Wakefield, and matures a few days later. Does as well on clay ground as on other soil. Very popular with Southern gardeners. **Pkt. 10c, ½ oz. 15c, oz. 25c, ¼ lb 75c, lb. $2.60.**

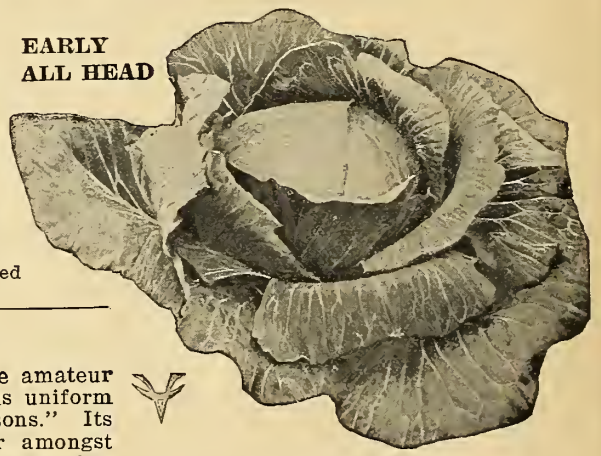
EARLY WINNIGSTADT—Sure to head, regular, conical shape, very hard and hardy, a good keeper winter or summer, one of the best for general use. Best imported seed only. **Pkt. 5c, oz. 20c, ¼ lb. 50c, lb. $1.85.**

EXTRA EARLY EXPRESS—Compact, round thick leaves forming an oval head, remarkably large for size of plant—thicker and less pointed than Jersey Wakefield—and matures a short time later. **Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. $2.10.**

EARLIEST ETAMPES—Not quite so hard but fully as large as Express, which it resembles. Excellent quality. Sold as "Earliest of all," "Wonderful," etc. Buy Vaughan's Seed to get best quality. **Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. $2.10.**

EARLY YORK—Heart shape, small head, firm and tender, may be planted 15 to 18 inches apart. **Pkt. 5c, oz. 20c, ¼ lb. 50c, lb. $1.70.**

EARLY ALL HEAD



FLAT AND ROUND SORTS

ALL HEAD or FAULTLESS. For general purposes is the best; the amateur who plants only one variety should select this. It matures large heads uniform and of handsome appearance and of quality equaled only by "All Seasons." Its few outer leaves permit close planting; this variety is most popular amongst Kraut growers, because the largest possible tonnage per acre may be produced. Our seed is grown for us by the originator on Long Island. **Pkt. 5c, ½ oz. 15c, oz. 25c, 2 ozs. 45c, ¼ lb. 75c, lb. $2.60.**

EARLY FLAT DUTCH—Standard early, sure solid header, weight 10 to 12 pounds each, even size. Mature about same time as Early Summer. One of the best second earlies. Stands long without bursting. **Pkt. 5c, ½ oz. 12c, oz. 20c, ¼ lb. 65c, lb. $2.25.**

NEW EARLY FLATHEAD—(New Early Spring.) Has the thick heavy leaves of "Jersey Wakefield," from which it is a product crossed with "Succession." The leaves are slightly rounded, season about same as Wakefield; of dwarf habit with few outside leaves. **Pkt. 5c, ½ oz. 12c, oz. 20c, 2 ozs. 35c, ¼ lb. 70c, lb. $2.60.**

EARLY SPRING

Is the same type and almost as early as "Jersey Wakefield," its shape is round slightly flattened on top; it is smaller than "Early All Head," heads become very solid even before the full size of the cabbage is attained. **Pkt. 10c, ½ oz. 15c, oz. 25c, ¼ lb. 65c, lb. $2.25.**

EARLY SUMMER

The heads are round and flattened. A very popular variety for early market; in season it follows right after "Jersey Wakefield." The heads are of fair size, very compact and solid, the quality is good, it has large outer leaves, has an attractive appearance, being tinged with a peculiar shade of blue. Its quality and handsomeness secure for it ready sale. **Pkt. 5c, ½ oz. 12c, oz. 20c, ¼ lb. 60c, lb. $2.10.**

The best is the cheapest, therefore buy Vaughan's Seeds and be assured of a good garden and an abundant harvest before you sow a seed.

SUCCESSION.

SUCCESSION

About two weeks later than early summer, heads are large and slightly flatter than the above variety and run more uniform. The heads are solid, keep well and are of splendid quality, the color is a beautiful light green. This, as a second early, is a favorite with market gardeners. **Pkt. 10c, ½ oz. 15c, oz. 25c, ¼ lb. 70c, lb. $2.60.**

LATE FLAT DUTCH. Smaller than "Premium Flat Dutch," sometimes a little better keeper. **Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. $2.10.**

FOTTLER'S BRUNSWICK DRUMHEAD. Comes in much earlier than "Premium Flat Dutch." A dwarf growing sort with very large early heads, and is valuable both as **Second Early** and for winter use; it is much planted by gardeners. The heads are flat and solid with few outer leaves—light green color. **Pkt. 5c, ½ oz. 12c, oz. 20c, ¼ lb. 60c, lb. $2.10.**

NOTE.

Slug Shot kills cabbage worms absolutely—can be used without danger. 5 lbs. 40c, 10 lbs. 60c, 25 to 50 lbs., 5c per lb.

EARLY SUMMER

CABBAGES

VAUGHAN'S ALL SEASONS

FLAT AND ROUND SORTS.

VAUGHAN'S ALL SEASONS

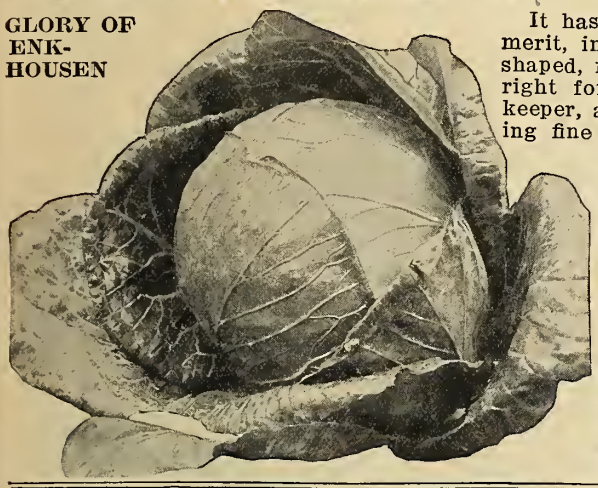
A cabbage that is really early, yet is suited to all growing seasons, as under the most adverse conditions it is almost a sure header, even when planted very late it keeps well, and is of much better quality than the **big-ribbed winter sorts.** The heads are large and solid, the leaves **small ribbed** and the eating quality is not excelled in the cabbage line. The heads are larger and mature about as early as "Early Summer." At our trial grounds these characteristics have been decidedly noticeable when making comparisons with other varieties grown side by side. **Pkt. 5c, ½ oz. 15c, oz. 25c, ¼ lb. 75c, lb. $2.60.**

GLORY OF ENKHOUSEN

A Valuable Early Variety

Has become a remarkably popular early, and is regarded as amongst the most important introductions in the cabbage line for some years.

It is a splendid sort for the private garden and market gardener who grows for high-class trade.


GLORY OF ENK-HOUSEN

It has received popular favor on account of exceptional merit, in several important points. The heads are globe-shaped, medium size, and handsome dark-green color, just right for market; it is sure heading and is a splendid keeper, and early. The quality is excellent, the leaves being fine ribbed. The outer leaves fold close, permitting close planting. This variety has been tried in many market growing centers, and results have made the growers most enthusiastic, and given it great popularity in a comparatively short time; it is now standard. **Pkt. 10c, ½ oz. 15c, oz. 25c, ¼ lb. 70c, lb. $2.60.**

Plant Copenhagen Market, a new first early, flathead variety, good keeper, high quality, small outside leaves permitting close planting. See novelty pages for full description. Pkt. 10c, ½ oz. 25c, oz. 45c, ¼ lb. $1.25, lb. $4.10.

DANISH SUMMER BALLHEAD.

It is a second early, hard, long keeping and of superb quality, it resembles the winter Ballhead closely, but is smaller and on the top slightly flat; the outer leaves show traces of curliness, and have a delicate flavor suggestive of savoy cabbage, the ribs are very fine in the leaves, the color of which is light green. This cabbage is taking a place among Earlies, as "Danish Ballhead" has among the later sorts. **Pkt. 10c, ½ oz. 15c, oz. 25c, 2 ozs. 45c, ¼ lb. 70c, lb. $2.60.**

MAIN CROP VARIETIES

DANISH BALLHEAD

VAUGHAN'S SELECTED STOCK

This is the most popular of all late varieties for winter use. The seed we offer is grown on Amagar Island, Denmark, and is, not only **genuine,** but also of the **highest standard of quality.** Many trials have proven the superiority of Danish grown seed, of this strain, over that produced in other countries.

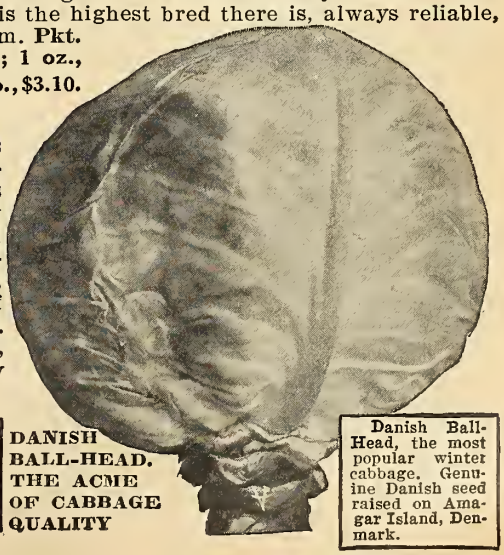
The Ballhead we offer is the **tall-stemmed strain,** so distinguishable from the short-stemmed "Hollander," or the "Dwarf Amagar," the Danish grown strain of the "Hollander." Because of its great solidity of head, and its unequaled keeping and shipping qualities, Danish Ballhead has supplanted nearly all other varieties for winter use. The heads are the right market size—not too large, very hard and heavy, weighing a fourth more than other varieties of equal size, the leaves are fine grained and deliciously tender. The strain we offer is the highest bred there is, always reliable, true and uniform. **Pkt. 10c; ½ oz., 20c; 1 oz., 30c; ¼ lb., 85c; lb., $3.10.**

PREMIUM FLAT DUTCH

PREMIUM FLAT DUTCH

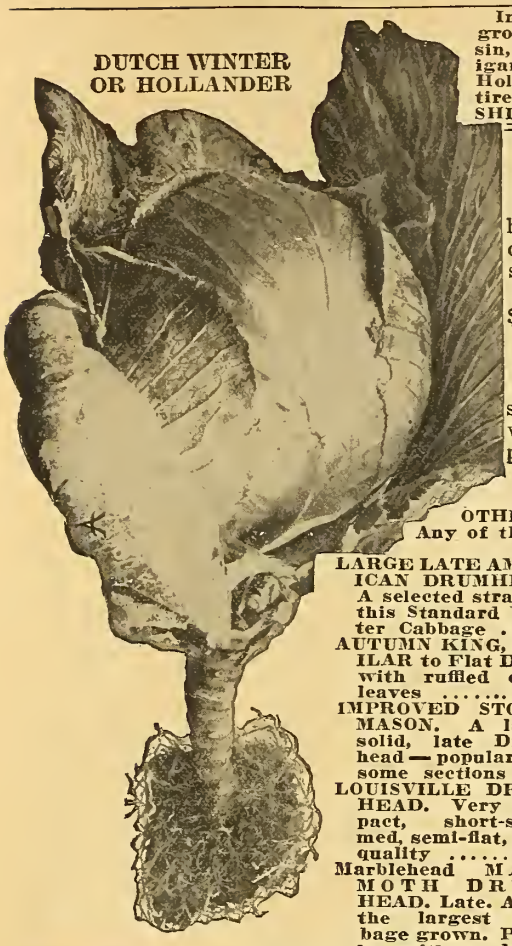
Of the **Flat-head** varieties this large heading sort is the most popular; no other cabbage of this class is so universally planted. Seed may be sown in the open ground and plants raised without the use of hotbeds. Our seed produces immense, solid heads, uniform, true, and of finest and delicious quality. **Pkt. 5c, ½ oz. 12c, oz. 20c, 2 ozs. 35c, ¼ lb. 60c, lb. $2.10, postpaid. By express, 5 lbs. $9.50.**

BOOKS FREE WITH ORDERS.
Vaughan's Vegetable Garden Book with $1.00 vegetable seed order.
Vaughan's Vegetable Cook Book with $1.00 vegetable seed order.


DANISH BALL-HEAD. THE ACME OF CABBAGE QUALITY

Danish Ball-Head, the most popular winter cabbage. Genuine Danish seed raised on Amagar Island, Denmark.

DUTCH WINTER OR HOLLANDER



In the famous cabbage growing district of Wisconsin, Central New York, Michigan, etc., Dutch Winter or Hollander is used almost entirely. IT IS AN EXCELLENT SHIPPER.

VAUGHAN'S

DUTCH WINTER OR HOLLANDER

Is the best of cabbages for late spring sales, no other will sell against it. The heads are medium size, averaging about 8 lbs., very solid, a distinct, fine, white color, good quality. They are uniformly excellent keepers, often they are as solid and perfect when taken out in the spring as when put away in the fall.

Vaughan's Extra selected stock. **Pkt. 10c, ½ oz. 20c, oz. 30c, ¼ lb. 85c, lb. $3.10,** postpaid. **By express, 5 lbs. $14.00.**

DWARF AMAGAR OR SHORT-STEMMED DANISH BALLHEAD

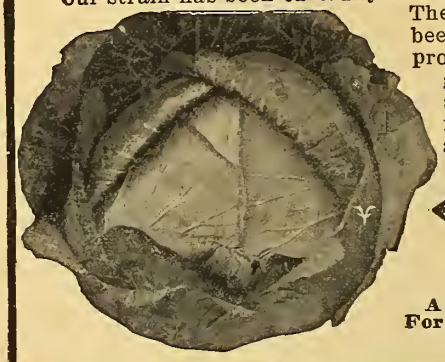
A variety almost identical with Dutch Winter or Hollander. We import our seed of this direct from Amager Island, Denmark. One-year-old proven stock, if wanted. **Pkt. 10c, ½ oz. 20c, oz. 30c, ¼ lb. 85c, lb. $3.10,** postpaid. **By express, 5 lbs. $14.00.**

OTHER GOOD SORTS.
Any of the Following, Pkt. 5c.

	oz.	¼ lb.	lb
LARGE LATE AMERICAN DRUMHEAD. A selected strain of this Standard Winter Cabbage	$0.20	$0.60	$2.00
AUTUMN KING, SIMILAR to Flat Dutch with ruffled outer leaves	.20	.60	2.10
IMPROVED STONE-MASON. A large, solid, late Drumhead — popular in some sections	.20	.60	2.10
LOUISVILLE DRUMHEAD. Very compact, short-stemmed, semi-flat, good quality	.20	.60	2.10
Marblehead MAMMOTH DRUMHEAD. Late. About the largest cabbage grown. Popular with gardeners	.20	.60	2.10

VAUGHAN'S BRIDGEPORT

The best Large Fall Shipping Cabbage in Existence. We introduced this variety over twenty years ago and our strain has been carefully selected every year since. The original type has been kept up and improved to a high degree of perfection; a field of them is more uniform than any other sort.



SOLID HEAD

A Money-Maker For Market Gardeners

Carrots require a deep well worked soil. Seed—four pounds to the acre.

THE EUROPEAN CARROT CROP on which we are usually dependent for many of our better strains is very short.

VAUGHAN'S

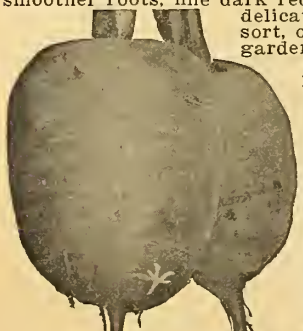
VAUGHAN'S SELECT DANVERS.

The greatest proof of the popularity of this strain is found in the fact that, whenever we have been able to supply the demands made upon us for seed, it has been planted to the exclusion of almost all other sorts.

This has been the situation for more than twenty years. Our strain is widely known and planted, and has continued to grow in popular favor year after year. The reason for this increasing popularity is due to its uniform, combined excellencies, rather than to one specially good point, as is the case with some other sorts. While some varieties of carrots attract attention because of extreme sweetness, color or other quality, Vaughan's Selected Danvers, without being extreme in any, possesses all to a singularly high degree of perfection.

Then the yield is greater per acre than any other sort, and it is a marketable crop. The size, shape, color, flavor and sweetness are all ideal. **Pkt. 10c, oz. 25c, ¼ lb. 45c, lb. $1.40,** postpaid. **By express, 5 lbs. $6.00.**

VAUGHAN'S CHICAGO FORCING, A FORCING STRAIN. It is similar in shape to "Chantenay," develops much earlier; has smoother roots, fine dark red color; before other sorts, it is a little delicate for market purposes; as a **forcing** sort, or for open ground as an early in home gardens it is fine. Excellent quality, fine short leaves, no core or heart. **Pkt. 10c, oz. 20c, ¼ lb. 45c.**



OX HEART.

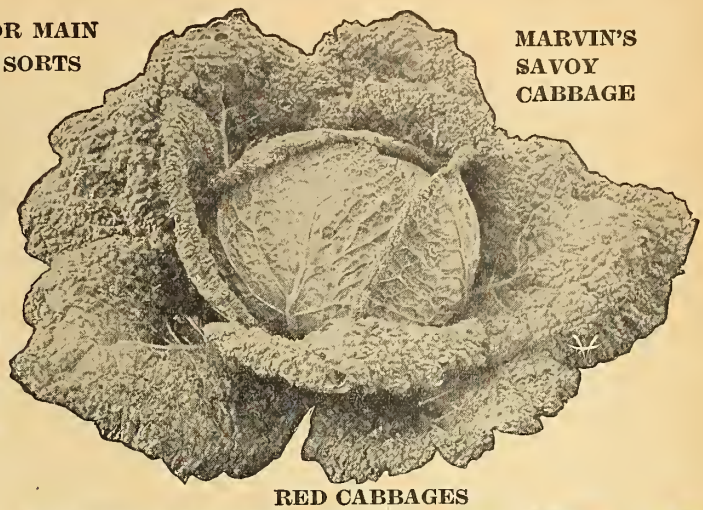
GUERANDE or OX HEART

Home and market gardeners find this an excellent variety to plant. It grows very rapidly and attains a weight of more than one pound. We recommend this carrot as possessing qualities of exceptional merit. It is thick, 5 inches long, and very fine flavor, general good quality and tenderness makes it desirable. **Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. $1.25,** postpaid. **By express, 5 lbs. $5.00.**

VAUGHAN'S SELECT DANVERS.

CABBAGES

LATE OR MAIN CROP SORTS



MARVIN'S SAVOY CABBAGE

SURE HEAD

This variety develops large round flattened heads, which are uniform in size and weigh 10-15 pounds each. They are very solid and fine eating quality. Our strain is held in high esteem by gardeners and large growers; it is certain to head in the most unfavorable season. **Pkt. 5c, ½ oz. 15c, oz. 25c, 2 ozs. 45c, ¼ lb. 75c, lb. $2.60.**

The Lupton. The habit of this variety is to develop a very large head in comparison to the size of the plant but it is not spready. It is of very strong growth, and is one of the best keepers, being bright and fresh when taken out in the spring. Our seed, grown for us by the originator, will produce cabbages of the very best type. **Pkt. 5c, ½ oz. 12c, oz. 20c, ¼ lb. 60c, lb. $2.10.**

DRUMHEAD CABBAGE

The excellence of this cabbage is well known by many gardeners, its quality is fine; and either for slicing for kraut, or for general purposes, its usefulness is not surpassed by any other sort.

Pkt. 10c; ½ oz. 15c; oz. 25c; 2 ozs. 45c; ¼ lb. 70c; lb. $2.50. By express, 5 lbs. $11.00; 10 lbs. $20.00.

Buy Vaughan's Seeds. The Best.

FINELY BRED STEM

A Splendid Sort For General Use

RED CABBAGES

MAMMOTH ROCK RED—The best large Red Cabbage. A sure header of good red color to the center. Pkt. 5c, ½ oz. 15c, oz. 25c, ¼ lb. 75c, lb. $2.60.

ZENITH—A very fine medium early sort. Not large, good quality and fine color. (New.) Pkt. 10c, ½ oz. 20c, oz. 30c, 2 oz. 55c, ¼ lb. 85c, lb. $3.00.

VAUGHAN'S BLACK DIAMOND—A new second season black red variety. Head medium large, very firm, leaf rib thin and small; few outer leaves. Pkt. 10c, ½ oz. 20c, oz. 30c, 2 oz. 55c, ¼ lb. $1.00, lb. $3.50.

EARLY DARK RED ERFURT, DARK RED DUTCH, RED DRUMHEAD — Pkt. 5c; ½ oz. 12c; oz. 20c; ¼ lb. 50c; Pound, $2.00.

SAVOY CABBAGES

IRON HEAD SAVOY—Best of the early sorts. Round head, large and solid. Quality excellent. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. $2.60.

MARVIN'S SAVOY—A large solid head, very early. An almost sure header and the most popular of this class. Pkt. 5c, ½ oz. 12c, oz. 20c, ¼ lb. 65c, lb. $2.25.

EARLY ULM SAVOY—A very early sort. Pkt. 5c, oz. 20c, ¼ lb. 50c, lb. $1.85.

ALL HEAD SAVOY—Conical head, fine quality. Early and solid. Pkt. 5c, ½ oz. 15c, oz. 25c.

IMPROVED AMERICAN—Standard main crop sort. Pkt. 5c, ½ oz. 15c, oz. 25c, ¼ lb. 75c, lb. $2.60.

CARROTS

For home use and early bunching—Chantenay, Nantes and Ox Heart are best. For general crop, plant Vaughan's Select Danvers; for forcing—use Vaughan's Chicago Forcing or Early Scarlet Forcing.

For stock Carrots—Mastodon, White and Orange Belgian, see page 56.

EARLY CHANTENAY.

EARLY CHANTENAY

The Elegant Bunching Carrot.

An early main crop that appeals to market gardeners; about 6 inches long, stump rooted, very smooth, deep red, fine grained, sweet and sugary, not apt to crack open while growing; fine for table, splendid cropper. Vaughan's seed is carefully selected. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. $1.40, postpaid. By Express, 5 lbs. $6.00.

VERY EARLY SCARLET FORCING—(French Horn). Best variety for earliest forcing. Reddish Orange colored roots, nearly round. When matured they are about two inches in diameter. **Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. $1.60; 5 lbs. $7.00.**

EARLY SHORT SCARLET—(Dutch Horn). Larger than French Horn and almost as early, stump rooted, 1½ inches thick, and about three inches long; fine grained, sweet flavored, color deep rich orange, and fine for bunching. **Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. $1.60.**

NANTES HALF LONG, EARLY—For extra sweetness, this is all by itself. It is of good shape and size. The leaves are fine and the roots almost cylindrical, very smooth and grow about six inches long; the flesh is entirely red and very sweet and almost entirely without a core. **Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. $1.25; 5 lbs. $5.00.**

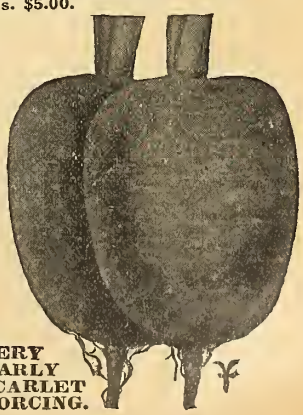
HALF LONG DANVERS—This is the stock usually bought by Seedsmen. **Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. $1.25; by express, 5 lbs. $5.00.**

IMPROVED LONG ORANGE.

A well-known sort, roots long, thickest near the crown, tapering regularly to a point, color deep orange. It is a good keeper of fine quality for winter use, and extensively grown for stock feeding. **Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. $1.00; by express, 5 lbs. $4.25.**

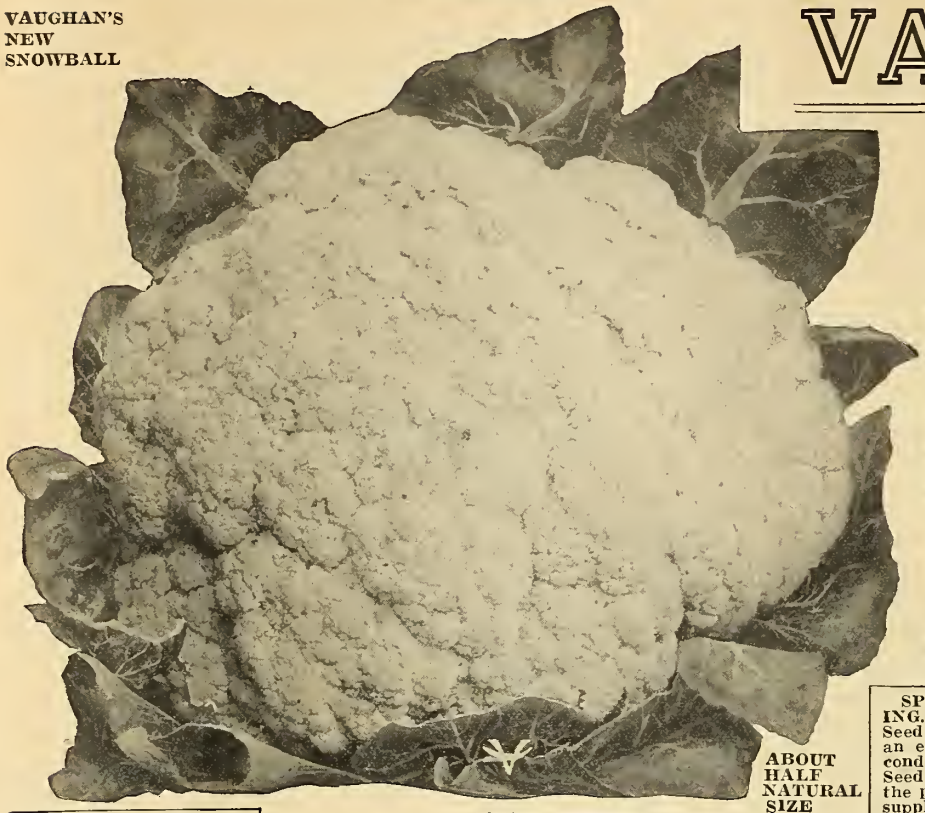
CARROTS FOR STOCK—The Mastodon, Long White Belgian and Orange Belgian, etc., see next page.

1 lb. Carrot Seed, Vaughan's Long Orange, for 75c, will sow one-half acre, sufficient to produce, on good soil, 12 tons of carrots equal, in feeding value for horses or cattle, to 150 bushels of oats.



VERY EARLY SCARLET FORCING.

VAUGHAN'S NEW SNOWBALL



ABOUT HALF NATURAL SIZE

VAUGHAN'S

VAUGHAN'S NEW SNOWBALL

An exceptional strain of Cauliflower for early out-door planting and forcing. This type is more generally planted and gives more universal satisfaction than any other sort. In size, compactness and color it is ideal for market. A well grown head will measure nine or ten inches across and have depth in proportion, very solid with a perfectly white core. The plants are dwarf—develop heads earlier than any other sort of like size. The dwarf, compact shape also uses a minimum amount of valuable space in forcing. Used with the utmost success for wintering over for the early spring crop; for forcing during the winter and spring; for early spring out-door planting, and besides, is planted extensively for the late summer and fall market. During the many years we have sold this splendid variety to hundreds of critical market gardeners, it has given uniformly the best results. **Pkt., 25c; ¼ oz., 75c; ½ oz., $1.40; oz., $2.50; ¼ lb., $9.00: lb., $32.00.**

SPECIAL ERFURT GROWN. VERY DWARF FORCING. The fame of Erfurt German Grown Cauliflower Seed is world wide. For first forcing it has never had an equal, but in recent years, on account of climatic conditions, there has never been enough true Erfurt Seed to supply its own local demand. Our President the past summer, when visiting Erfurt, secured a small supply from Erfurt's most famous grower. **Pkt., 50c; ¼ oz., $1.75; ½ oz., $3.00; oz., $5.00.**

EARLIEST DWARF ERFURT. The former standard of early cauliflowers before the advent of New Snowball. It is quite similar in all respects, but a few days later in season. Many of our customers, who are large Cauliflower growers, plant both this and Snowball, as the two varieties run in together nicely. **Pkt., 25c; ¼ oz., 50c; ½ oz., 90c; oz., $1.75; 2 oz., $3.50; ¼ lb., $7.00; lb., $26.00.**

SEED RECLEANED WITH SPECIAL CARE.

We maintain the highest standard of germination possible in this seed, by painstaking care in recleaning and resifting it. This gives us well matured, plump seed; by means of the care we take with this strain, its germinating power is raised 25 to 30 per cent.

DANISH SNOWBALL

A little later than Vaughan's New Snowball, but a grand second early. This splendid variety is grown with painstaking care and is thoroughly reliable. We have many satisfied market growing customers who purchase this sort year after year. Although it is not so early, nor run as even as Vaughan's New Snowball, at the price we firmly believe it is the best early cauliflower on the market.

Pkt., 10c; 3 pkts. for 25c; ½ oz., 85c; oz., $1.50; 2 oz., $2.75; ¼ lb., $5.00; lb., $20.00.

New Celery, Chicago Giant Self-Blanching. A Grand New White. See Novelty Page 4.

VAUGHAN'S

GOLDEN SELF-BLANCHING VAUGHAN'S SELECTED STOCK

The most popular leading sort everywhere; it excels others of the yellow varieties, developing dwarfer, much larger bunches, with broad heavy stalks, which blanch into a rich, appetizing, golden yellow.

While the stalks are broader and heavier than the white varieties, the quality is very superior. The very handsome color of the crisp, tender stalks, their freedom from stringiness, and excellent flavor, make this the market favorite. Our selected stock is grown for us in France by the introducers. This is the strain used by large planters. Our regular strain grown in this country by careful, experienced growers, from our selected stock, will satisfy the most critical users. **Vaughan's Golden Self-Blanching is the best. Vaughan's Select Stock: Pkt., 15c: oz., $1.40; ¼ lb., $4.50; lb., $16.00.**

American grown: Pkt., 10c; ½ oz., 25c; oz., 50c; ¼ lb., $1.75; lb., $6.50.

GIANT GOLDEN HEART

For winter storage "Giant Golden Heart" is the best celery you can buy. This strain has enjoyed an extensive and substantial popularity ever since we introduced it, and that popularity is due entirely to the exceptional merit it possesses. It is not only the best keeper, but it is large, solid and sweet as a walnut and of a beautiful golden color. It is a selection of the "Dwarf Golden Heart," grows much larger than the parent and otherwise possesses all its other excellent qualities. **Prices: Pkt., 5c; ½ oz., 12c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., $2.10.**

Oconomowoc, Wis.

The White Plume Celery which I received from you last year was the finest I have grown here in 17 years. I started cutting in August and used the last of 2,000 stalks during the Xmas holidays. Not one went into seed. Yours truly,

OTTO SPEIDEL.

WINTER QUEEN

A winter and spring variety with exceptional merit. **Has double the amount of heart of any known celery.** The plant is beautiful in appearance, of close habit and compact growth; blanches to a beautiful cream white. Ribs perfectly solid, crisp, and of a delicious nutty flavor. This variety is a most valuable one for winter and spring, excelling the celebrated "Perfection Heartwell" as a **late winter keeper.** It is also much thicker, stouter and heavier. It is worthy of first place as a late celery, as it will keep longer than any other variety. Grow "Winter Queen" once and you will always grow it; it is a favorite and a money maker. Prices: **Pkt., 10c; ½ oz., 15c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; lb., $2.25.**

GIANT PASCAL

The stalks are **very large and solid,** crisp and of rich nutty flavor. **It bleaches very easily and quickly.** The heart is golden yellow and has a very attractive appearance. For Fall and Winter, this is a splendid sort. It is a selection from the "Golden Self-Blanching," and possesses many of the qualities of that strain, with the added value of **keeping quality.** For Fall and Winter use this. It is certainly one of the best varieties owing to its splendid keeping qualities and marketableness. Prices: **Pkt., 5c; ½ oz., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 45c; lb., $1.60.**

VAUGHAN'S CELERY MANUAL. By a practical grower, of 20 years' experience, revised and published by J. C. Vaughan. **Price, postpaid, 25c.** Will be sent free, with a Celery Seed order of $2.00, or with any general order for other seeds, amounting to $3.00, if requested.

GOLDEN SELF-BLANCHING

CAULIFLOWER

DRY WEATHER CAULIFLOWER

Has been produced to remove as far as possible the chances of a crop failure when weather conditions are unfavorable to the more delicately bred varfeties. Where warm weather prevails with little or no cold weather, this sort is very desirable; it is a very sure header, and second early, heads larger than "Snowball," and snow white. A part of any large acreage should be planted to this. Our seed is the best, procured from the originator and grower in Denmark. **Pkt., 20c; ¼ oz., 75c; ½ oz., $1.40; oz., $2.50; ¼ lb., $8.50.**

EARLIEST OF ALL

A Danish forcing strain of Snowball; slightly smaller and a week to ten days earlier than the standard Snowball. It has very short leaves and has been bred especially for first forcing under glass and in frames. Very sure heading—Pedigreed Danish Seed. **Pkt., 25c, 3 for 60c; ¼ oz., 75c; ½ oz., $1.50.**

LARGE LATE ALGIERS. A vigorous late maturing variety for late fall use. Large heads. **Pkt., 5c; ½ oz., 25c; oz., 50c; ¼ lb., $1.75.**

AUTUMN GIANT. In southern localities this meets with favor as a large heading late fall sort. **Pkt., 5c; ½ oz., 20c; oz., 35c; ¼ lb., $1.10; lb., $4.00.**

EXTRA EARLY PARIS. Very dwarf and early, for summer planting. **Pkt., 5c; ½ oz. 25c; oz., 50c; ¼ lb., $1.50; lb., $6.00.**

HALF EARLY PARIS. Slightly larger and later than above. **Pkt., 5c; ½ oz., 25c; oz., 50c; ¼ lb., $1.50; lb., $6.00.**

LENORMAND'S SHORT STEM. Bears large white head, on short stems. **Pkt., 5c; ½ oz., 25c; oz., 50c; ¼ lb., $1.85.**

DRY WEATHER CAULIFLOWER

ABOUT HALF NATURAL SIZE

EXTRA EARLY OR SECOND ERFURT. A very fine strain, producing large, white firm heads; close and of excellent quality. Dwarf, early and always certain to head, early or late. Later and larger than Earliest Erfurt. **Pkt., 10c; ¼ oz., 50c; ½ oz., 85c; oz., $1.50; ¼ lb., $5.00.**

LARGE EARLY ERFURT. This is a vigorous growing, hardy variety, with large, white, firm heads. It is the very best sort for late spring use. **Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., $2.50.**

"CABBAGES AND CAULIFLOWERS," a valuable treatise on growing of these two articles, by J. J. H. Gregory. Sent postpaid for 30c.

Cauliflower is a vegetable that grows to perfection in few localities. Ideal Cauliflower seed of earlier types is produced only in Northern Europe. For nearly 20 years our stocks of this seed have been grown for us in Denmark. Conditions there are perfect.

CELERY

Celeriac or Turnip-Rooted Celery, see page 26.

WHITE PLUME

WHITE PLUME

This variety is most widely known and highly valued by market gardeners throughout the northern country. It is the recognized best of the white varieties. The causes for the great popularity of White Plume, among consumers and gardeners, are fine flavor and general excellence of quality. This strain is remarkable for vigor, size and appearance. Its habit of growth is vigorous, uniformly white, stalks that are large, crisp, tender and fine. We do not recommend it as a keeper, but a seasonable money maker of the first class. For fall and early winter it has the endorsement of a very wide range of practical and very critical market gardeners. **Vaughan's Selected Stock. Pkt., 5c; ½ oz., 12c; oz., 20c; 2 ozs., 35c; ¼ lb., 60c; lb., $2.10, postpaid. Regular stock: Pkt., 5c; ½ oz., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; lb., $1.50.**

DWARF GOLDEN HEART

The heart is large, surrounded by shapely solid stalks. The heart blanches a beautiful yellow, after storing; it is so shapely and solid it requires little trimming for market; it is a long keeping Golden Dwarf of established merit, and has attained great popularity in many celery-growing centers, to such an extent that it has replaced many other well-known sorts. **Pkt., 5c; ½ oz., 10c; oz., 15c; ¼ lb., 45c; lb., $1.60.**

ROSE RIBBED GOLDEN SELF-BLANCHING. (Golden Rose.) A sort of Golden Self-Blanching possessing all its good qualities. The ribs assume a deep, warm, rosy hue. **Pkt., 10c; ½ oz., 25c; oz., 50c; ¼ lb., $1.75; lb., $6.00.**

PINK PLUME. Similar to White Plume. Stalks are tinged with pink. **Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $2.10.**

FRENCH'S SUCCESS. A fine keeping Winter White Celery. **Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., $3.10.**

SOUP CELERY OR SMALLAGE. Green foliage used for soups. **Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.50.**

OLD CELERY SEED. Oz., 5c; ¼ lb., 20c; lb., 50c.

STANDARD SORTS

Prices of these kinds: **Pkt., 5c; ½ oz., 10c; oz., 15c; ¼ lb., 45c; 1 lb., $1.60, postpaid.**

PEARLE LE GRAND. A popular extra large, fine green celery for both early and late use. A fine winter keeper.

EVANS' TRIUMPH. One of the best late sorts. Excellent quality and good keeper.

PERFECTION HEARTWELL. Magnificent, large, golden-yellow heart, of very superior quality; excellent winter market sort. Popular in New York.

SCHUMACHER. Immense size; solid; crisp; firm golden-yellow heart; a fine keeper; very popular in Philadelphia and New York markets.

FAR SUPERIOR "MANY HEART." Late; very large and fine; popular in Philadelphia.

BOSTON MARKET. White and solid; very dwarf; crisp and tender.

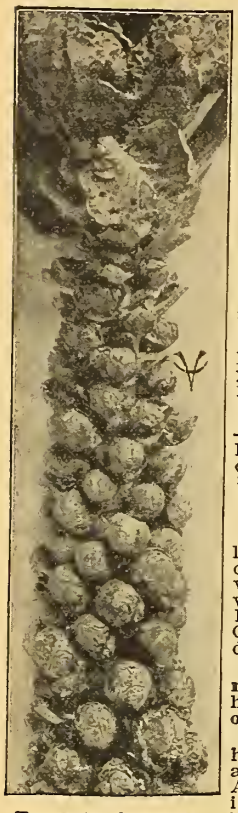
CRAWFORD'S OR HENDERSON'S HALF DWARF. Solid yellowish-white; nutty flavor.

GIANT WHITE SOLID. Of tall, large size; very solid; pure white.

NEW ROSE. The best of red celery, solid, crisp and ornamental.

KALAMAZOO. Half-dwarf; white and solid.

VAUGHAN'S RARER



Brussels Sprouts. Paris Market

BRUSSELS SPROUTS. Brussels Sprouts are miniature cabbages formed on a plant stalk. The delicate flavor is improved by a touch of frost. The culture is practically the same as for cabbage. For late use sow seed in June.

IMPORTED DANISH—Hardy and a heavy yielder. A fine variety originated and grown in Denmark. **Pkt. 10c, ½ oz. 20c, oz. 35c.**

PARIS MARKET—Half dwarf, excellent yielder. **Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.40.**

IMPROVED DWARF—Dwarf habit and less liable to aphis than others. **Pkt. 5c, oz. 20c, ¼ lb. 50c, lb. $1.50.**

BROCCOLI

A vegetable similar to Cauliflower, of less delicate flavor, but hardier. Of value in Northern latitudes, where Cauliflower does not do well.

Large White Mammoth—Good white heads. **Pkt. 10c, ½ oz. 20c, oz. 35c.**

Purple Cape—This has purplish heads and resembles the Algiers Cauliflower in habit of growth. **Pkt. 10c, ½ oz. 20c, oz. 35c.**

LEEK

LARGE MUSSELBURG. Enormous leaves, broad, mild and pleasant flavor. **Pkt. 5c; oz. 25c; ¼ lb. 45c; lb. $1.60.**

BULGARIAN WINTER. One of the most desirable Leeks, extremely hardy, of enormous size and tender up to a height of 15 inches. **Pkt. 10c; ½ oz. 15c; oz. 30c; 2 ozs. 50c.**

BROAD SCOTCH or LONDON FLAG. Hardy; a broad, strong plant, with broad leaves. **Pkt. 5c; oz. 25c; ¼ lb. 45c; lb. $1.60.**

ROUEN, VERY LARGE WINTER. Large—excellent—best of all. **Pkt. 5c; oz. 25c; ¼ lb. 45c; lb. $1.60.**

LONG MEZIERLS. One of the very best. Broad, vigorous, erect leaves; long good sized stem, snow white; fine flavor; very hardy. Unsurpassed for market garden. **Pkt. 5c; oz. 25c, ¼ lb. 50c; lb. $1.90.**

LARGE MUSSELBURG LEEK

GERMAN CELERIAC, Turnip Rooted Celery

A popular German vegetable, used in salads, or boiled like Parsnips or Turnips. Very pleasant to those who like the flavor of celery, which it has. The roots keep well all winter. Celeriac deserves a much wider cultivation. Recipes for table use enclosed with seed.

NEW CELERIAC "DELICATESS." Perfectly smooth oval roots; no side-roots; never rusts. Flesh is pure white, tender; general qualities excellent. This size does very well on light soils. **Pkt. 10c; 2 Pkts. 15c; oz. 50c.**

CELERIAC, Giant Prague

CARDOON. Main stalks are blanched like Celery, used for salad or in soups. **Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. $2.00.**

CHERVIL. (Koerbel; Cerfeuil.) Similar to Parsley, handsome for garnishing. **Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25.**

COLLARDS. A variety of cabbage used in Southern states. **Pkt. 5c, oz. 10c, ¼ lb. 25c; lb. 80c.**

CORN SALAD

CORN SALAD. (Mache-Stick Salat.) A most refreshing salad. Hardy, much used in Winter in place of Lettuce. Sow either in Spring or Fall. **Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. $1.00.**

GARDEN CRESS

CRESS OR PEPPER GRASS. (Garten Kresse; Cresson Allenois.)

CURLED GARDEN. Used with Lettuce, it adds an agreeable pungency. **Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c.**

UPLAND CRESS. Has highly prized flavor of Water Cress. Green all year; ready for use before any other salad in spring. **Pkt. 5c, ½ oz. 15c, oz. 25c.**

WATER CRESS. (Wasser Kresse; Cresson.) The pleasant flavor of Water Cress makes it one of the most delicate salads. It grows where there is a good supply of pure fresh water, it can also be grown in tubs of good soil in a shady place, if plenty of water is given it. Directions with each packet of seed. **Pkt. 10c, 3 for 25c, oz. 30c.**

DANDELION. (Lowenzahn; Dent-de-Lion.) Cultivated for spring greens are fast gaining flavor. Our thick or cabbage leaved variety is best; unlike common sorts, almost double usual size. **Pkt. 10c, ½ oz. 25c, oz. 40c, ¼ lb. $1.25, lb. $4.50.**

Chicory, Witloof

EARLIEST OF ALL. Ready in June, pure white flesh, very tender. **Pkt. 10c; ½ oz. 30c; oz. 50c.**

GIANT PRAGUE. The great main crop variety; the most popular with American growers. Roots are very large, almost twice the size of Erfurt; nearly globe-shaped, smooth, with only a few roots at bottom; flavor and other qualities excellent. Common kinds of Celeriac are often small, crooked and covered with a mass of useless, unsightly roots. Giant Prague excels in appearance, size and quality. A general favorite. **Pkt. 5c; ½ oz. 25c; 1 oz. 40c; ¼ lb. $1.25; 1 lb. $4.10.**

LARGE ERFURT. Standard. **Pkt. 5c; oz. 40c; ¼ lb. $1.25; lb. $4.10.**

CHICORY, WITLOOF—FRENCH ENDIVE. A European delicacy now standard in the best hotels and restaurants, for salad. It is easily grown. Plant seed in spring; Parsnip-like roots are produced; store them in sand until wanted for growing on in winter. Full directions on each package. **Pkt. 10c, oz. 25c, ¼ lb. 60c; lb. $2.10.**

CHICORY, LARGE ROOTED MAGDEBURG. Roots are cut in thick, slices, roasted and used for coffee. In Spring leaves make good salad. **Pkt. 10c; oz. 15c, ¼ lb. 50c.**

KOHLRABI

SOW SEED JUNE OR JULY, 18-IN. APART, THIN TO 12 INCHES. Bulbs grow above ground, are stripped and cooked like Turnips, than which they are much sweeter and have finer flavor.

KING OF THE EARLIES. An extra choice strain of White Kohlrabi, very quick growth. Short leaves, very tender and fine flavor. Directions for raising and cooking with each package. **Pkt. 10c, oz. 25c, 2 ozs. 45c, ¼ lb. 75c, lb. $3.00.**

EARLY WHITE VIENNA. White and tender. **Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. $2.10.**

EARLY PURPLE VIENNA. **Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. $2.10.**

SHORT TOP EARLY ERFURT. For forcing in open ground. White flesh, very tender, short leaves. **Pkt. 5c, ½ oz. 15c, oz. 25c, 2 ozs. 45c, ¼ lb. 75c, lb. $2.60.**

KOHLRABI, WHITE VIENNA

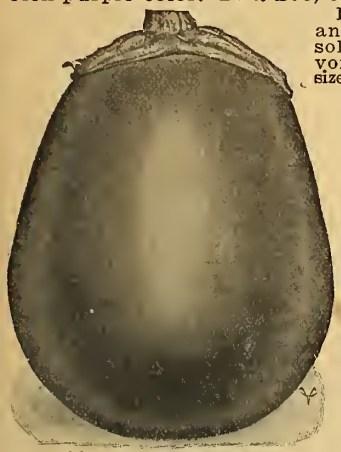
VEGETABLES

We put our name on strains of seed we control. We monopolize them because they have extraordinary merit. Pick out those special strains in ordering and you will be repaid.

EGG PLANT

VAUGHAN'S IMPROVED NEW YORK

Large purple Egg Plant "New York" is the standard variety of this vegetable, Vaughan's Improved New York is the highest type of this standard—entirely spineless. Low growing plants, stalky and branching, bears early and almost continuously. Fruits are large, satiny smooth and a rich purple color. **Pkt. 10c, oz. 30c, ¼ lb. $1.00, lb. $3.50.**



New York Improved

BLACK PEKIN. Fruit is round and almost black. Flesh white, solid, fine grain and delicious flavor. Early and good marketable size. **Pkt. 5c; oz. 25c; ¼ lb. 65c; lb. $2.00.**

VERY EARLY DWARF PURPLE. Extremely early, resembles New York Improved in shape and color, but is smaller and earlier. **Pkt. 5c, oz. 25c, ¼ lb. 75c, lb. $2.75.**

BLACK BEAUTY. 10 to 12 days earlier than New York, it also is spineless; fruits are very attractive in form, which is broad and thick. Beautiful luster and rich purple color gives handsomeness and attraction to this variety, for northern home gardens and truckers it is most desirable. **Pkt. 10c; oz. 35c; ¼ lb. $1.00; lb. $3.85.**

BLACK BEAUTY—An Early variety, suited for northern planting.

VAUGHAN'S VEGETABLE COOK BOOK.
Tells how to cook and use rarer Vegetables. Price, heavy paper cover, **25c;** or free to every customer who buys garden seed to the amount of $2.00 and upwards and asks for same.

GARLIC—Selected Bavarian

KNOBLAUCH—All. This is a particularly fine strain Garlic. It is larger and more even than ordinary Garlic, keeps longer and is snowy white. **Lb. 55c, 3 lbs. $1.00, 5 lbs. $1.50, 10 lbs. $2.80.** If by mail, add 10c per lb. for postage. ☞ **ORDINARY GARLIC —Write for prices.**

HORSE RADISH SETS

NEW BOHEMIAN HORSE RADISH OR MALINER KREN. An introduction of the U. S. Department of Agriculture. A much earlier and better producer than the common sort. The roots grow larger and whiter and the quality is superior. All growers should have it. **Sets of Roots, doz. 25c, postpaid; by express, 50 for 65c, 100 for $1.25, per 1000, $9.00.**

ORDINARY HORSE RADISH. Roots will produce good Radish, fit for use in one season's growth. Plant the set small end down, so that the top will be 2 in. under soil. **100 for 75c, (by mail 85c), 300 for $2.00, 500 for $3.50, 1,000 for $6.50.**

ENDIVE

ENDIVE SALAT—CHICORY ENDIVE. A delightful autumn and winter salad. Sow seed from middle of June to the end of August.

GREEN CURLED SUMMER. Standard variety for fall and winter. Finely divided leaves, making the plant appear mossy, and when centers are blanched most beautiful. **Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. $1.10.**

GREEN CURLED WINTER. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. $1.10.

STAGHORN, best for early. It does not go to seed if planted in hot-bed, then transplanted outdoors. This is a great advantage for early growth and brings it into the first early market where it is "A money maker." **Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. $1.10.**

GIANT FRINGED OR OYSTER. Most beautiful snow white heart, fine delicate green fringe. **Pkt. 5c, oz. 10c, ¼ lb. 40c, lb. $1.40.**

MOSS CURLED. Fine sort. **Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. $1.10.**

EVER WHITE CURLED. Very crisp. **Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. $1.10.**

BROAD LEAVED. Slightly Curled. **Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. $1.10.**

GREEN CURLED ENDIVE

KALE OR BORECOLE

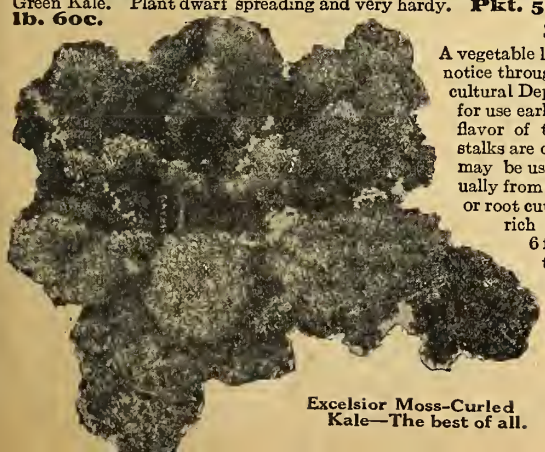
Greens for early fall, winter and spring. Sow seed about middle of June, later transplant to rows 2 to 2½ feet apart. Dwarf sort can be sown later. Much used by German-Americans.

DWARF GREEN CURLED KALE. Hardier than Cabbage. Leaves curly as Parsley, tender and very fine flavor. Immense quantities produced in South find ready sales in the North. Vaughan's Extra Selected Stock. Fine strain. **Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. $1.00.**

VAUGHAN'S EXCELSIOR MOSS CURLED KALE. By far the the best Kale in existence. Plants grow 18 to 21 inches high and produce as many as 50 edible leaves to a plant. Leaves very early and unsurpassed in flavor. **Pkt. 10c, oz. 20c, ¼ lb. 45c, lb. $1.50.**

TALL GREEN FINE CURLED. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. $1.00.

SIBERIAN. Called "Sprouts" and "German Greens." Not so curly as Dwarf Green Kale. Plant dwarf spreading and very hardy. **Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.**



Excelsior Moss-Curled Kale—The best of all.

SEA KALE

A vegetable long known but until brought into notice through recommendations of U. S. Agricultural Department, suffered neglect. Ready for use earlier than Asparagus and combines flavor of that and Celery. Its blanched stalks are cooked like Asparagus or the leaves may be used as greens. Sea Kale comes usually from seed, but can be grown from off-sets or root cuttings. The long tap root requires rich deep soil. Plant in rows 4 to 6 feet apart. Seedlings yield a crop third year though some reports give earlier results; as soon as shoots show above the ground, blanch with earth, boards, sand, etc., until ready for use. **Pkt. 10c, oz. 20c, ¼ lb. 65c.**

RHUBARB

Vaughan's Mammoth. Vigorous and productive; stalks numerous; the large ones being fifteen inches long and fully one inch and a half wide; an excellent spring food possessing medicinal properties. It is the first article of the season from the garden and no planter should be without it. **Seed Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00, postpaid.**

Chicago Giant. This Rhubarb dwarf, bred for large stalks and small leaves. We have grown this for a number of years, and consider it the finest variety we have seen. **Pkt. 25c, 3 for 65c.**

Rhubarb Roots. See also page 56 for named sorts. Seedlings, 1 year, selected. **Each, 15c; 3 for 40c; doz. $1.25, 100, $7.50.** (Weight ¼ lb. each). Larger roots 25c, 35c, 50c and 75c, according to size.

VAUGHAN'S MAMMOTH RHUBARB

MAMMOTH WHITE CORY

FAMOUS EARLIES

VAUGHAN'S

WIDE RANGE, FINEST TYPES, TRUE SEED

MAMMOTH WHITE CORY

The great popularity of this extra early Sweet Corn is due to the fact that it was successfully bred for three important qualities—Earliness, Size, Sweetness. Placed in whichever order you wish, these are the dominant characteristics of this favorite corn. Early as the earliest corn. The ears are as long with two to four more rows of kernels set close, so there is no loss of space in the cob. The grains are of medium size, broad, very white and of high table quality. The stalks are a little less than medium size, vigorous and prolific, usually averaging two ears to the plant. Our seed is grown and bred on our own farms in Central Michigan. No more careful selection can be practised than we use, and ears are dried in crates to insure high germination. **Pkt.. 10c; pint (about 10 ozs.), 15c; quart (about 20 ozs.), 25c; ½ pk., 75c; pk., $1.35; bu., $5.00.**

GOLDEN BANTAM

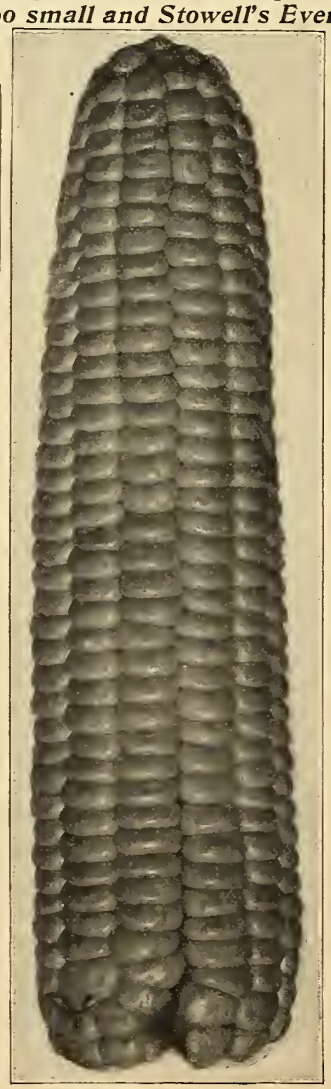
VAUGHAN'S SPECIAL

A delicious early sweet corn of superlative merit. The planting of a small patch of Golden Bantam and the resulting joy and delight of eating it fresh from the garden, when sweet corn is always at its best, has made more enthusiastic and satisfied amateur horticulturalists than acres of successful gardens filled with other vegetables. A brief description for the uninitiated, if there still be such—Golden Bantam is an extra early yellow sort about a week later in season than Cory or the first earlies. The ears are borne two to a stalk and are about six inches in length with eight rows of kernels on a cob. The golden kernels are lightly covered with a glossy skin, seemingly ready to burst. The rich sweetness is to be remembered—try it. Stalks medium high and with heavy foliage. Our seed is our own growing and the best we have been able to find. **Pkt., 10c; pint (about 10 ozs.), 20c; quart (about 20 ozs.), 30c; ½ pk., 80c; pk., $1.50; bu., $5.75.**

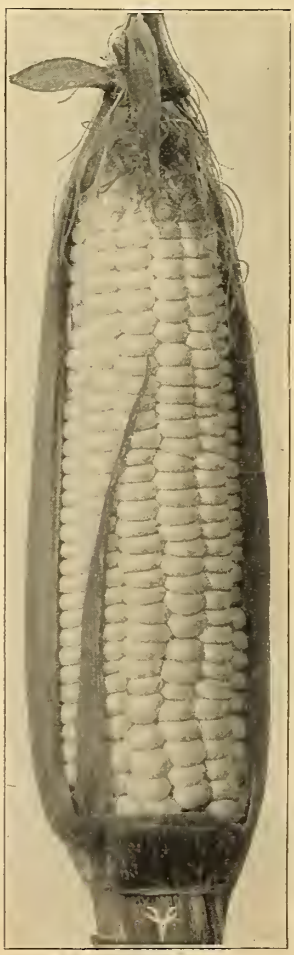
VAUGHAN'S BANTAM EVERGREEN

EVEN SWEETER THAN THE "FAMOUS GOLDEN BANTAM." It is a cross between Stowell's Evergreen and Golden Bantam and a most successful one from all standpoints. For example—some critics regard Golden Bantam as "just a bit" too small and Stowell's Evergreen too large. To such "Bantam Evergreen" divides the difference and exactly fills the bill and besides at last affords the market gardener a "Bantam" of marketable size.

Parcel Post Rates on Inside Front Cover.



GOLDEN BANTAM



EARLY CHAMPION

MALAKOFF. One of the earliest real sweet corns, a week earlier than "Mammoth White Cory." **Pkt., 10c; pint (about 10 ozs.), 15c; quart (about 20 ozs.), 30c; 2 qts., 50c; ½ pk., 85c; pk., $1.50; bu., $5.75.**

EARLY IOWA. A fine sweet corn. A week earlier than "Mammoth White Cory," ears and stalks between the sizes of Mammoth White Cory and Malakoff. **Pkt., 10c; pint (about 10 ozs.), 20c; quart (about 20 ozs.), 30c; 2 qts., 50c; ½ pk., 90c; pk., $1.55; bu., $5.50.**

PEEP O'DAY. Similar to Malakoff, it is one of the earliest. Stalks about 3½ feet high bear usually two ears each, kernels white. We grow our seed in the north to insure earliness. **Pkt., 10c; pint (about 10 ozs.), 15c; quart (about 20 ozs.), 25c; ½ pk., 75c; pk., $1.35; bu., $5.00.**

PREMO. Early, fine sweet corn, medium high stalks, ears have 8 rows of good quality corn, quite hardy, may be planted early. **Pkt., 10c; pint (about 10 ozs.), 15c; quart (about 20 ozs.), 25c; ½ pk., 70c; pk., $1.25; bu., $4.50.**

EARLY MINNESOTA. A favorite early, a few days later than Mammoth White Cory. ears have 8 to 10 rows of large white grains. Very productive. **Pkt., 10c; pint (about 10 ozs.), 15c; quart (about 20 ozs.), 25c; ½ pk., 70c; pk.. $1.25; bu., $4.50.**

METROPOLITAN. Popular in eastern states, season between Minnesota and Champion. Kernels have 10 to 12 rows, large and very sweet. Germinates well in cold soil, ready for use between 1st and 2nd earlies.. **Pkt., 10c; pint (about 10 ozs.), 15c; quart (about 20 ozs.), 25c; ½ pk., 75c; pk., $1.35; bu., $5.00.**

	Pkt.	Pt.	Qt.	Pk.	Bu.
Early Cory, true type, red cob, good size	10c	15c	25c	$1.35	$5.00
Adam's Early	10c	15c	25c	1.00	3.50
Adam's Extra Early	10c	15c	25c	1.00	3.50

By mail add postage, qt. weighs 20 ozs.

EARLY CHAMPION. Is a second early which ranks high in popular favor, it is one of the earliest large sweet corns, in season two weeks later than "Mammoth White Cory," the ears have 12 very uniform rows of pure white, not too large, kernels, which are tender and full of milk. The cobs are medium size, quite handsome in appearance and. are often borne three on a stalk. Planted by many gardeners in some localities for both early and late. Our stock is very uniform and well bred. **Pkt.. 10c; pint (about 10 ozs.), 15c; quart (about 20 ozs.), 25c; ½ pk., 70c; pk., $1.25; bu., $4.50.**

EARLY CROSBY. A high quality, second early, very popular in Eastern sections, especially New England. Ears about six inches long, 14 rowed, grains square, very white, sweet and tender. The much prized Maine canned corn is grown from this variety. **Pkt., 10c; pint (about 10 oz.), 15c; quart (about 20 ozs.), 25c; pk., $1.25; bu., $4.50.**

LATE MAMMOTH. Produces the largest ears of all sweet corn varieties. A little late in season. In spite of its immense size, the ears are of excellent quality, delicious, sweet and tender. Most popular New York market variety. **Pkt., 10c; pint (about 10 ozs.), 15c; quart (about 20 ozs.), 30c; pk., $1.35; bu., $5.00.**

SWEET CORN

MAIN CROP

EACH GROWN UNDER ITS OWN IDEAL CONDITIONS

STOWELL'S EVERGREEN

This is the **grand, standard main crop** variety of sweet corn. The strong vigorous stalks grow 7 to 8 feet high and produce ears 8 inches long which have 16 or more rows of the finest sugary grains. The reputation of this variety for productiveness is well and long established, and the fine rich flavor and sweetness of the deep set, tender, white grains have made it the great and popular favorite it is. For market, home or canning it is always an immense success. Many years specializing with this **great sweet corn** enables us to say with the assurance of truth that, our **stock** is the **best** you can buy. New England grown seed develops a larger percentage of sugar than seed grown in other sections of the United States. We quote prices for New England grown seed and seed grown in the central states.

Stowell's Evergreen (Eastern Connecticut grown). Pkt., 10c; pint (about 10 ozs.), 15c; quart (about 20 ozs.), 30c; ½ pk., 75c; pk., $1.35; bu., $5.00.

Stowell's Evergreen (Western grown Eastern Stock Seed). Pkt., 10c; pint (about 10 ozs.), 15c; quart (about 20 ozs.), 25c; ½ pk., 70c; pk., $1.25; bu., $4.50.

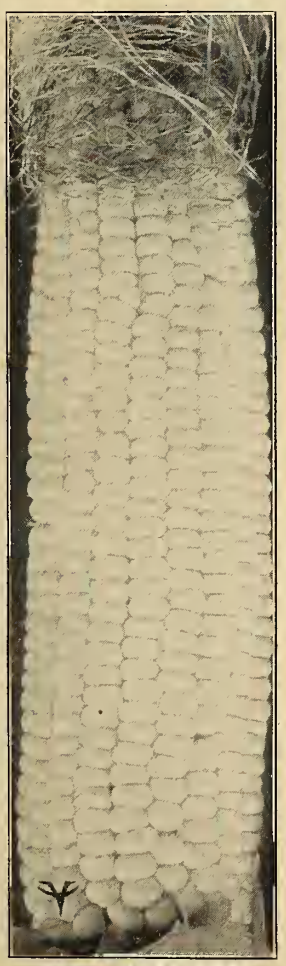
COUNTRY GENTLEMAN

Is a **late main crop** variety, which should find a place with every grower for home or market. It is called the sweetest corn. The ears, which are 7 to 9 inches long are borne on stalks 6 to 7 feet high. Unlike other sorts the grains are small and rather round and crowded together on the cob, instead of forming in defined rows. Deliciously tender and sweet, this corn gives the greatest satisfaction to those who eat it. **Pkt., 10c; pint (about 10 ozs.), 15c; quart (about 20 ozs.), 30c; ½ pk., 85c; pk., $1.50; bu., $5.50.**

THE BEST SUGAR CORN. See Illustration Page 5

BRED AND GROWN IN THE HOME OF SUGAR CORN, and there in conservative New England pronounced by all who have tried it, as the sweetest corn they ever ate. The kernels are plump and full, with exceedingly tender skin, surpassing both parents in this latter respect. Like all crosses, it takes many years to breed a uniform stock. This sort now runs 80 per cent true. Pkt., 10c; pt. (about 10 oz.), 20c; qt. (about 20 oz.), 35c; ½ pk., $1.00; pk. $1.75; bu., $6.50.

EARLY EVERGREEN. Very large ears are characteristic of this sort, it is earlier than Stowell's Evergreen by 8 to 10 days. This variety remains green for a long time and in northern localities is a more sure cropper than Stowell's Evergreen, of which this is a smaller sort. Reliable seed of this well known variety is at your command in Vaughan's Seed Store. **Pkt., 10c; pint (about 10 ozs.). 15c; quart (about 20 ozs.), 25c; ½ pk., 70c; pk., $1.25; bu., $4.50.**

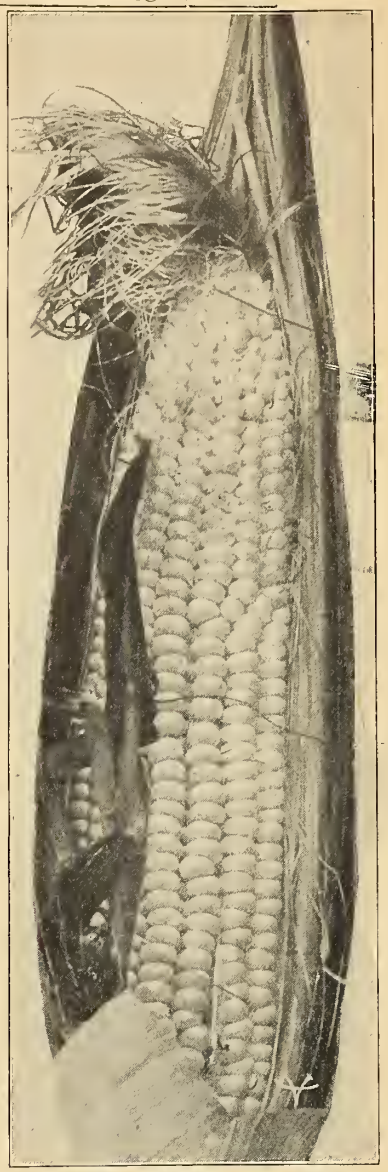


EARLY EVERGREEN

COUNTRY GENTLEMAN

IMPORTANT NOTE

Field and Sweet Corn Breeders are now convinced that better quality corn, higher yields, and earlier maturity are to be expected where carefully bred local seed is used, than from stock brought from a distance. This explains many controversies regarding earbest corn varieties—where each planter using his own seed had earlier corn than any he could buy. Our New York Store sells New England seed of nearly all early varieties, and our Chicago house uses Michigan, Minnesota and Ohio seeds of the same types.



STOWELL'S EVERGREEN

BLACK MEXICAN. Everyone who has seen this Corn remembers it and the delicious sweetness and fine grain qualities in spite of its dark color, making it more and more of a favorite every year. Eight to 10 rowed; ears about 8 inches long; kernels bluish purple to black and rather flat. **Pkt., 10c; pint (about 10 ozs.), 15c; quart (about 20 ozs.), 25c; ½ pk., 70c; pk., $1.25; bu., $4.50.**

VAUGHAN'S BLACK SUGAR. This is an Eastern grown selection of the Black Mexican variety. Our grower has selected it for large maturing ears and high sugar qualities. For one who has never grown this Corn its quality is a revelation. **Pkt., 10c; pint (about 10 ozs.), 15c; quart (about 20 ozs.), 30c; ½ pk., 75c; pk., $1.35; bu., $5.00.**

Pkt., any of the following, 10c. If by mail add postage for 10 ozs. per pint (beyond third zone), 20 ozs. per quart.

	Pt.	Qt.	½ Pk.	Pk.	Bu.
Kendall's Early Giant	15c	25c	70c	$1.25	$4.50
Early Mammoth	15c	25c	70c	1.25	4.50
Moore's Early Concord	15c	25c	70c	1.25	4.50
Old Colony	15c	25c	70c	1.25	4.50
Hickox	15c	25c	70c	1.25	4.50
White Evergreen	15c	30c	75c	1.35	5.00
Late Mammoth	15c	30c	75c	1.35	5.00
Perry's Hybrid	15c	25c	70c	1.25	4.50

Sweet Corn for Succession. Plant the following varieties at one time and they mature so as to furnish green corn throughout the season: Mammoth White Cory, Early Champion, Stowell's Evergreen. Special offer: 1 pkt. each (3 varieties), 25c; pint, each (about 30 ozs.), 35c; quart, each (about 5 lbs.), 75c.

Cucumbers for slicing are generally of the white spine type. For general home garden use, Vaughan's Arlington White Spine in a medium sized variety and Davis Perfect in a long sort will be found very satisfactory.

VAUGHAN'S

STANDARD VARIETIES

VAUGHAN'S IMPROVED ARLINGTON WHITE SPINE

Is a beautiful, symmetrical, straight type cucumber, 7 to 10 inches long; throughout its entire length, the skin is an attractive glossy dark green. It is early, a heavy yielder, tender, firm with delicious flavor, these qualities have made it a favorite. In the southern country it is planted almost universally. **Vaughan's Strain of Arlington White Spine is their Standard,** for both home and market garden. For northern markets it may be a trifle small, but for the home garden Vaughan's "Improved Arlington White Spine" is ideal and immensely popular. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.**

VAUGHAN'S BOSTON FORCING WHITE SPINE

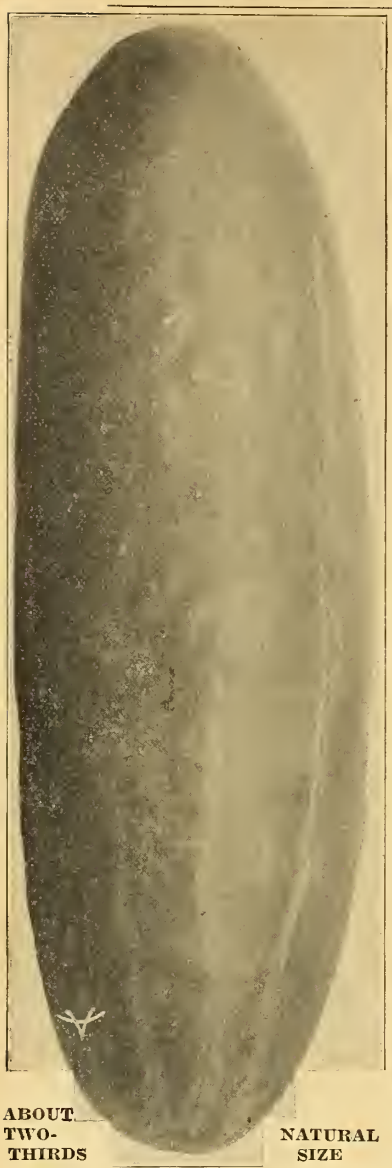
This is the "top notch" in forcing cucumbers, as a producer it is 25 per cent better than other forcing varieties, and that it is superior in quality, is proved by the higher price it commands in New York, Philadelphia and other cities, along side of other forcing sorts. The fruits are very even and smooth, slender, with dark green skin, with whitish markings more blended than is usual. The vines are remarkably prolific and for hot-bed or green-house, and outdoor planting in southern localities, our strain of this variety is superior and profitable for growers. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.**

ODD CUCUMBERS

Japanese Climbing. Grows quickly on poles or trellis, takes up little room in the garden. Fruits are good size, fine flavor, especially good for slicing and salads; does best in dry warm summers. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.**

Lemon Cucumber. Not the same as the Garden Lemon (see page 35), though similar in appearance, it is a real, luscious flavored cucumber, a worthy addition to the list. **Pkt., 5c; oz., 25c.**

Serpent or Snake. A curious, usually much twisted cucumber. **Pkt., 5c; oz., 20c.**



ABOUT TWO-THIRDS NATURAL SIZE

ABOUT HALF NATURAL SIZE

VAUGHAN'S ARLINGTON WHITE SPINE

CYCLONE. 3 to 4 inches long, earliest of the white spines, prolific. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

IMPROVED WHITE SPINE. Medium size, straight, always fine yielder; light green. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

EMERALD. Smooth almost spineless, color dark green which it retains well, fine slicing quality. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

VAUGHAN'S BOSTON FORCING WHITE SPINE

NICHOLS MEDIUM GREEN. Old popular early sort, medium size, straight, smooth, dark green, crisp, good-flavor, for pickling and slicing; prolific vines. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

COOL AND CRISP. Fine for slicing. Early, prolific; and covered with knobs, and black spines, on dark green skin—make handsome pickles. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

PICKLING

WESTERFIELD'S CHICAGO PICKLE

One of the greatest successes in pickle seed development to date. It meets the most exacting requirements of the manufacturers of the finest kind and highest priced pickles. The maintenance of this high standard through all the years since we introduced it, is a matter of great pride with us and we never fail to give it the most scrutinizing and careful attention.

Many of the leading growers of the country are supplied by us with finely selected seed. Manufacturers willingly pay high prices for this variety because of its well known excellence for pickling purposes. When ripe the fruit is of medium size, pointed at both ends, with large prominent black spines, as pickles they are just the right shape and size. Vines set fruit when young and continue bearing longer than any other variety. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

SNOW'S FANCY PICKLING

This is a selection made originally from the "Chicago Pickle" by a veteran pickle grower in the west. The type is shorter when ripe than the Chicago Pickle and is broad at the stem end, tapering slightly to the tip. The small pickles, although quite similar to the Chicago Pickle, have an additional value where blight prevails. The fruit being smaller, the blight does not sap the strength of the vine to the detriment of a crop. We offer a strain of most carefully selected seeds from fields inspected by us and under our own direct supervision. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

VAUGHAN'S XXX PICKLING. Fruits protrude from under the vine, making picking comparatively easy. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

CUCUMBERS

We supply the most critical trade with our special pickle strains. Many of the largest Picklers look to us for their entire seed supply. True to type and vigorous.

SUITED TO ALL LOCALITIES

IMPROVED LONG GREEN VAUGHAN'S SELECTED STOCK

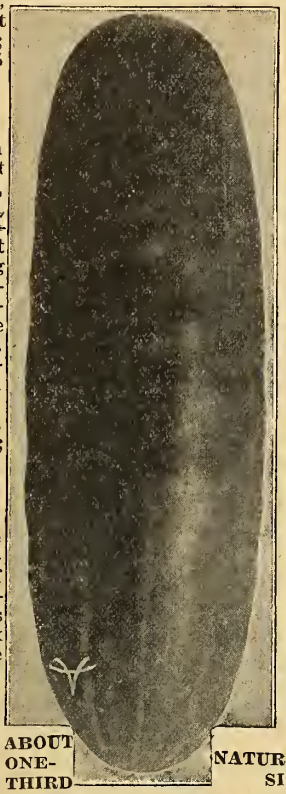
As a cucumber, of the "black spine" variety, for slicing and for pickles, this is one of the very best. Vaughan's strain is a selection from "Long Green" improved and developed by continued re-selection. The vines of our strain are very vigorous and productive, the fruits (12 inches long) are formed almost as early as the short sorts, they are firm, crisp and have a distinctive fine flavor quite their own. They make excellent pickles and when yellow and ripe, the best sweet pickles. In all respects, dark green color, size, crispness and flavor this is the best black spine variety. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00; by express, 5 lbs., $1.50.**

DAVIS PERFECT

Has individual points of distinction which make it exceptional amongst white spine cucumbers. Fine length, slimness, beautiful dark green color, transparent-like flesh with deliciously cool refreshing flavor, and crisp. It is the most popular among extra long white spine cucumbers, both for indoor and outdoor planting. Its extreme vigor in growth makes it the best blight resister of the long sorts. We offer a highly superior strain—which has been continually re-selected to maintain best features in this sort. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25;. Stock seed, pkt., 15c; 2 for 25c; ½ oz., 60c; oz., $1.00.**

EXTRA LONG WHITE SPINE OR EVERGREEN

Is a popular standard amongst the long white spines. It is early, vigorous and prolific, more blight-proof than ordinary sorts, like "Davis Perfect" in this, it is thicker than "Davis Perfect," straight, smooth, dark shiny green, 8 to 12 inches long. The flesh is crisp, tender, superb in flavor. It is excellent for general market and home use. We offer a strain, the result of years of scientific trials, and re-selections from the best grown seed. **Select stock, pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

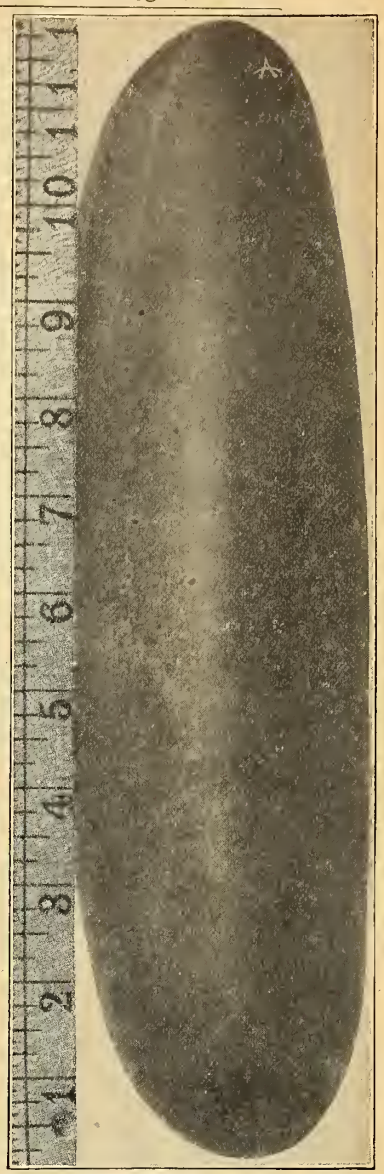


ABOUT ONE-THIRD NATURAL SIZE

EXTRA LONG WHITE SPINE

LESS THAN HALF NATURAL SIZE

DAVIS PERFECT CUCUMBER



IMPROVED LONG GREEN

ROCKY FORD (Klondyke)—White Spine. A fine market garden sort—between the New Century and Arlington in size—slightly earlier, however. A wonderful keeper, good dark green color, which it keeps. Fine for shipping. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

NEW CENTURY—A fine long strain of white spine, 8 to 10 inches in length—very thick, uniform, smooth and straight. It holds its dark green color remarkably well so that altogether it is one of the best for slicing. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

FORDHOOK FAMOUS White Spine. As long as the "Davis," slightly bent, but very handsome, twelve to seventeen inches long. Quality is superb. Color is very dark green, never turning yellow. Very vigorous. **Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.10.**

CUCUMBERS

"Vaughan's Improved Arlington White Spine Cucumber is the best I have ever tasted. The crop is good. Cucumber twines by one leaf and triples on the next leaf on the same vine. They stay green even when full size."
JOSEPH KOSATKA, Cicero, Ill.

IMPROVED JERSEY PICKLE

This is a famous kind for making vinegar pickles. Owing to its light color it makes what pickle men call "light" pickles, excellent for "Gherkins." Its shape in the fruit is broader at the tip than at the stem end. While in the pickle state it is nearly straight. It is very prolific. Our seed is very uniform and finely selected. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

THE CUMBERLAND PICKLE

This is a variety of the white spine type. Very hardy and a strong rapid grower, and gives very prolific yield. The pickles differ from all other hardy sorts, being thickset with fine spines except on the extreme stem end. The flesh is very firm, crisp and tender at all stages. It is excellent for both pickles and slicing. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

WEST INDIA GHERKIN. A very small oval prickly sort, distinct from all others. It is grown for pickles only and must be used when young. **Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $1.50.**

	Pkt.	Oz.	¼ lb.	Lb.
Extra Early Green Prolific or Boston Pickling	5c	10c	30c	90c
Early Cluster	5c	10c	30c	90c
Fordhook Pickling	5c	10c	30c	90c
Early Frame or Short Green	5c	10c	30c	90c

ENGLISH FRAME CUCUMBERS

Rollison's Telegraph. A standard greenhouse variety. English greenhouse grown. **Pkt., 50c.**

Prescott Wonder. Fine flavored. Good yielder. **Pkt. (50 seeds), 25c.**

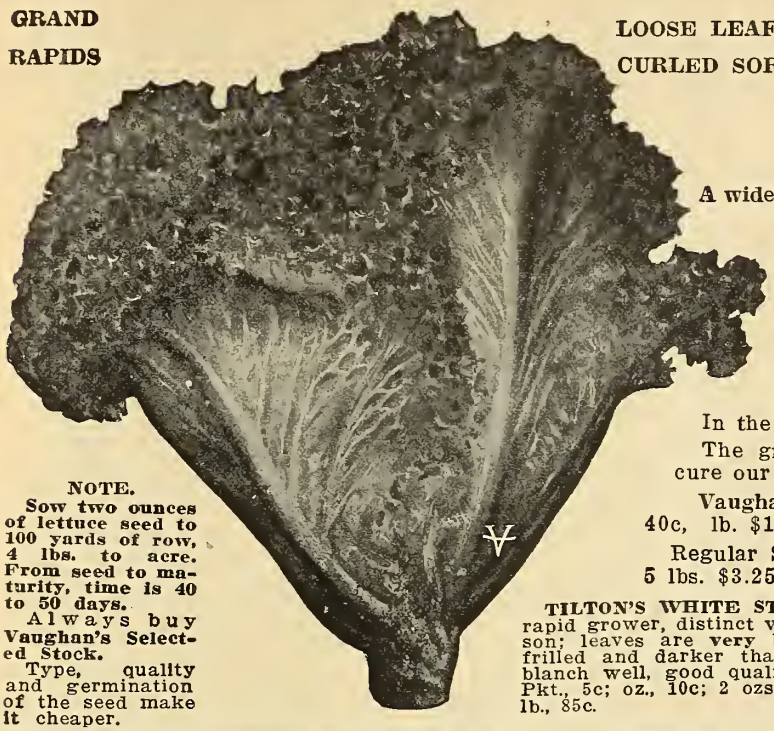
Carter's Model. One of the best English varieties. Large, straight, smooth. **Pkt. (25 seeds), 25c, 3 for 65c.**

Noa's Forcing. An old standard. **Pkt., 50c.**

Vaughan's Prolific Forcing. Early, shorter than others, uniform, prolific. **Pkt. (25 seeds), 20c, 3 for 50c.**

Grand Rapids Forcing. A very long American sort. **Pkt. (65 seeds), 50c net.**

GRAND RAPIDS



LOOSE LEAF OR CURLED SORTS

VAUGHAN'S

SEEDS OF ONLY HIGHEST

GRAND RAPIDS

VAUGHAN'S SELECTED STOCK.

A widely known, highly favored and extensively planted variety.

DESCRIPTION.

A curly leaved lettuce of great merit, for hot-bed and greenhouse growing. Produces crisp, tender, beautiful green leaves, richly curled, sweet and delicious. The leaves develop in the shortest possible time, their upright habit requiring little room in the bed. Elegant appearance, splendid keeping, shipping and other fine qualities, make this famous Vaughan Specialty a profit maker for the many market gardeners who plant it.

In the home garden Grand Rapids has real winning qualities.

The greatest care and attention is given this specialty to secure our seed at the highest point of perfection.

Vaughan's Selected Stock: Pkt. 5c, oz. 15c, 2 ozs. 25c, ¼ lb. 40c, lb. $1.25, 5 lbs. $5.50.

Regular Stock: Pkt. 5c, oz. 10c, 2 ozs. 15c, ¼ lb. 25c, lb. 85c. 5 lbs. $3.25. Vaughan's Selected Stock is cheaper.

NOTE.
Sow two ounces of lettuce seed to 100 yards of row, 4 lbs. to acre. From seed to maturity, time is 40 to 50 days.
Always buy **Vaughan's Selected Stock.**
Type, quality and germination of the seed make it cheaper.

TILTON'S WHITE STAR: Large, very rapid grower, distinct variety B. S. Simpson; leaves are **very broad, thick,** less frilled and darker than B. S. Simpson; blanch well, good quality—slow to seed. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; lb., 85c.

EARLY PRIZEHEAD: Very popular, large, loose heading sort. Leaves finely crumpled and fringed, outer ones shaded brown; very crisp, sweet and tender, splendid for home garden. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; lb., 85c.

BLONDE BEAUTY. Try this. It's worth while. A **remarkable heat resister,** excellent keeper after cutting, tender, sweet, crisp and juicy. Fine shipper. Splendid for home garden. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; lb., $1.00.

UNRIVALED. A light green strain of Big Boston. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; lb., $1.25.

CALIFORNIA CREAM BUTTER. One of the best **Summer varieties.** Heads good size and so solid they often have to be cut to let seed shoots appear. Beautiful appearance, crisp, rich, buttery flavor. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

COS LETTUCE

Considered by many to be the highest type of lettuce, has distinct upright habit, very crisp and sweet.

EXPRESS COS LETTUCE

EXPRESS COS. The most dwarf and earliest of all. Delicious flavor. Self closing. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.25.

PARIS WHITE COS. Grows to large size. Self-closing. Pkt., 5c; oz., 10c; ¼ lb., 40c; lb., $1.10.

TRIANON COS. Similar to above, but grows whiter and matures earliest. Pkt., 5c; oz., 10c; ¼ lb., 40c; lb., $1.10.

CABBAGE OR

VAUGHAN'S ALL SEASONS

A distinctive mid-season variety introduced by us in 1879 when it gained and has since maintained immense popular favor in northern and central climates. Around Chicago it is an unapproachable favorite.

DESCRIPTION.

Large, handsome, solid head, nearly as large as Flat Dutch Cabbage; leaves grayish green, never spotted or brownish, but are broad, and the inner ones are beautifully blanched, are thick and of decidedly buttery flavor, embodying, in fact, all implied in the term excellent. A sure header, slow to run to seed. Buy Vaughan's Introducers—selected stock—and you secure the favorite of Chicago market gardeners. Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.

VAUGHAN'S ALL SEASONS

HEAT RESISTING

BUTTERY FLAVOR

MAY KING EARLY. A very **early heading** variety has long been sought **—here it is.** This is among the finest of heading sorts. The outer leaves are green, just tinged with brown; they fold close to medium sized head, permitting close planting in frames—the heart is beautiful, appetizing yellow, very tender, excellent quality. **Pkt., 5c; ½ oz., 10c; ¼ lb., 35c; lb., $1.25.**

LETTUCE

LOOSE LEAF OR CURLED SORTS

QUALITY AND BEST TYPES

BLACK SEEDED SIMPSON

A loose leaf lettuce of exceptional popularity with market and home gardeners.

DESCRIPTION.

Black Seeded Simpson grows large leaves, the inner ones forming a semi-compact head, very tender, crisp, fine quality and sweet flavor. Always reliable and easily grown; the fine, crumpled, green, beautifully frilled leaves add splendid appearance to excellent quality. An all-around lettuce; under glass, in cold-frame or open ground. A sort especially suited for amateur gardeners, who may have no success with head lettuce. An unsurpassed heat resister—the amateur and market gardener's success.

Vaughan's Selected Stock: Saved from extra selected plants—Pkt. 5c, oz. 15c, 2 ozs. 25c, ¼ lb. 35c, lb. $1.25.

Very choice stock: Pkt. 5c, oz. 10c, 2 ozs. 15c, ¼ lb. 25c, 1 lb. 85c.

EARLY CURLED SILESIA: A dwarf of compact habit and thick growth. Crisp, golden leaves, finely curved edges; an old favorite. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.

EARLY CURLED SIMPSON: White seeded, similar to Early Curled Silesia—one of the best leaf lettuces. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.

THE MORSE: Desirable strain of Black Seeded Simpson, for growing under glass—a careful selection by a seed grower of wide experience—leaves bright green, beautifully crinkled. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; lb., 85c.

BLACK SEEDED SIMPSON

DENVER MARKET FORCING: Early, forms loose head of good size; leaves light green, handsomely marked, and blistered like a Savoy Cabbage; very crisp and tender, forcing or open ground sort. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

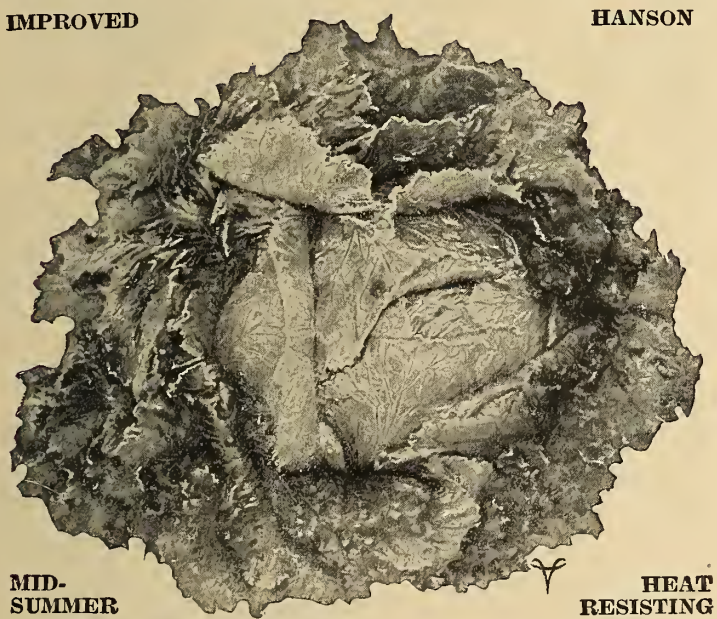
HEAD LETTUCE

IMPROVED HANSON

An excellent lettuce of well known and highly approved quality on all markets.

DESCRIPTION.

Large, well formed, firm, globe shaped head of broad leaves, so compact that the inner ones are almost white. Leaves are beautifully curled and crinkled, very tender and sweet, outside ones are glossy green. Popular for mid-summer planting outdoors, having great heat and drought resisting qualities. Shows superior merit in central states; and is standard everywhere for home and market gardens. A sure header, always reliable. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c.



IMPROVED HANSON

MID-SUMMER

HEAT RESISTING

ST. LOUIS BUTTER-HEAD. Extensively planted by market gardeners. Has gained great popularity since the St. Louis World's Fair in 1904; demand for it increases yearly. Large, solid head, beautiful crumpled leaves, yellow center. Vaughan's strain gives highest results. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

PERPIGNAN OR DEFIANCE excels for long standing, an uncommon quality. One of the finest new varieties, resists heat better than most others. Heads are large, firm and solid, seed shoots come through by cutting plant open. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

MAXIMUM OR IMMENSITY. A new lettuce; a wonderful heat resister; even in hottest weather it remains long without going to seed. It ranks amongst the largest head lettuces; has green outside leaves and solid yellow center, splendid quality. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

DEACON. Large, solid, late sort, splendid for market or home garden; sure heading, inner leaves blanch to a beautiful **golden yellow, rich buttery flavor.** Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

ICEBERG. Extremely hard heading, has finely indented leaves. Good for home or market garden. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

OTHER GOOD SORTS

Price: Any of the following, Pkt., 5c, oz. 10c.

Brown Dutch. Standard early, ¼ lb., 30c; lb., 90c.

Buttercup. Lightest green and most yellow of all sorts. Excellent quality. ¼ lb., 30c; lb., 90c.

Golden Queen. A good first early, ¼ lb., 30c; lb., 90c.

Giant Crystal Head. White, solid, extra quality. ¼ lb., 30c; lb., $1.00.

Giant Glacier. Largest head, ¼ lb., 30c; lb., $1.00.

Mammoth Black Seeded Butter. Large hard heads. A favorite everywhere. ¼ lb., 30c; lb., 90c.

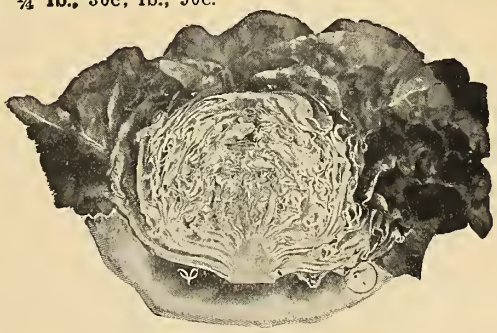
New York. Large white leaves, ¼ lb., 30c; lb., $1.00.

Salamander. Good all seasons, ¼ lb., 30c; lb., 90c.

Tennis Ball. Black seeded. One of best standard sorts. ¼ lb., 30c; lb., 90c.

Tennis Ball (Boston Market). White Seeded. A good forcing sort. ¼ lb., 30c; lb., 90c.

White Summer Cabbage. Green, very hardy, popular. ¼ lb., 30c; lb., 90c.



BIG BOSTON

Big Boston Vaughan's Selected Stock. With southern gardeners who ship north, many of whom plant Vaughan's seed exclusively, this is most popular; the best early large heading sort South; North, a valuable **first early.** Plants are vigorous, mature large heads of bright green leaves which are very tender. Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; lb., $1.25.

VAUGHAN'S ORIGINAL OSAGE

VAUGHAN'S

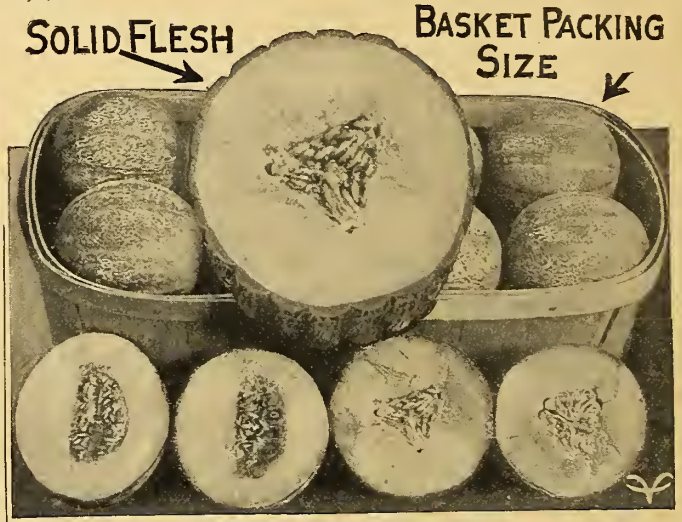
VAUGHAN'S ORIGINAL OSAGE

The Osage is without doubt the best general purpose Muskmelon yet produced; on heavy soils where other sorts like Rocky Ford produce inferior quality fruit Osage does well and is a profit maker, and in sandy locations Osage is at home and develops handsomely, doing quite as well as in heavier soils. An Osage melon is seldom poor in quality, it holds its own rich flavor much longer than do most other sorts; a well grown Osage represents the highest quality in Muskmelons. We have always taken great pains to keep up the quality of our seed of this melon to the highest point of excellence as it is a variety in which we take pride as the introducers.

Our strain is most carefully reselected each season to conform to our ideals of quality, shape, size and vine growth, enabling us to maintain an always uniform stock.

The Osage is a large melon, about three times the size of Rocky Ford. With its well netted, dark skin, smooth salmon-colored flesh of a superb rich flavor, it stands high with growers everywhere as is evidenced by the orders we receive from the largest growers, year after year. Buy early. **Selected stock. Pkt., 10c; ½ oz., 15c; oz., 25c; 2 oz., 45c; ¼ lb., 75c; lb., $2.60.**

Regular Stock. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 30c; lb., $1.00.



PAUL ROSE OR PETOSKEY

VAUGHAN'S PAUL ROSE, OR PETOSKEY

A unique combination of the Osage and Rocky Ford melons is the later Vaughan's specialty—the market basket success Paul Rose muskmelon. This melon introduction of Vaughan's Seed Store is a basket size melon of great merit and it fills a place in usefulness and quality distinctly individual.

Paul Rose is a melon produced by crossing "Osage" and "Rocky Ford," a grand combination which produces the highest percentage of high-class table melons of the basket size varieties. It has the flesh color and quality of the Osage, with a flavor entirely its own, it also has the netted skin and shape of the Rocky Ford, making it ideal to market—and it does not breakdown in shipping. In season it is ten days earlier than Osage, its fine flavor, rich quality, netted skin and basket packing size make it a winner. **Selected Stock. Pkt., 10c; oz., 25c; 2 oz., 40c; ¼ lb., 75c; lb., $2.60. Regular Stock. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 30c; lb., $1.00.**

SPECIAL SHIPPING OSAGE. This is a selection of the Osage made for the purpose of increasing the netting more than the original type, thus bettering the shipping qualities. Our grower has been successful and this melon will stand a shipment of several hundred miles without breaking down. The quality is almost identical with Osage, although it runs a trifle smaller in size. **Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.60.**

TIP TOP. Selected Stock. A Melon we recommend to every lover of this luscious fruit and to every gardener who grows for the market. It is a yellow fleshed Melon of the very best quality; every Melon produced, big or little, early or late in the season, is a good one. They are sweet, juicy, of finest flavor, edible to the very rind. A strong grower, heavy yielder and of handsome appearance.
Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.25.

TIP TOP MUSKMELON

MONTREAL MARKET or NUTMEG (Green Fleshed)

The largest of the nutmeg varieties. This melon is extensively raised near Montreal; being sown and grown in cold frames until ready to set out. Skin is dark green in color; the ribs broad and prominent; flesh thick, luscious and melting. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.**

FORCING MELONS

Highest Table Quality: Suitable for Greenhouse Growing.

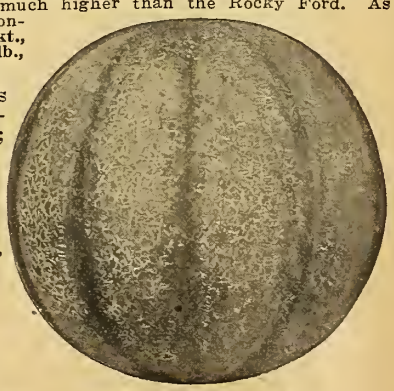
EMERALD GEM FORCING. Salmon flesh, early, uniform. **Pkt., 25c.**
A1. SUPERB. Scarlet flesh. Crop failed.
BEST OF ALL. White flesh.
BLENHEIM ORANGE. Scarlet flesh.
DIAMOND JUBILEE. Green flesh.
RINGLEADER. Green flesh.
ROYAL SOVEREIGN. White flesh.
Prices of above, except where noted, each, pkt., 25c.

VAUGHAN'S HOODOO MELON

(Introducer's Strain.) "As like as Peas in a pod." Read full description in novelty pages in the front of this book. The finest of the Gem type of salmon fleshed melons and just right in size to ship, and to serve, cut in two. The sweetness and flavor are the highest, nearly every fruit being of uniform fine quality, productive and early.
Select Stock: Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 70c; lb., $2.50.
Regular Stock: Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 30c; lb., $1.00.

MILWAUKEE MARKET

This is a fine new melon that made its appearance in Milwaukee a few years ago. It originated as a cross between the old Surprise and a Gem melon. Our strain has been improved by careful selection and we think for a fine home melon and a market-wagon variety it has no superior. The melon is light green in color, nearly round with only slight sutures, flesh a salmon color, wonderfully sweet, with almost no stringiness. In Milwaukee this melon has always commanded prices much higher than the Rocky Ford. As a home garden melon we consider this variety ideal. **Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00.**



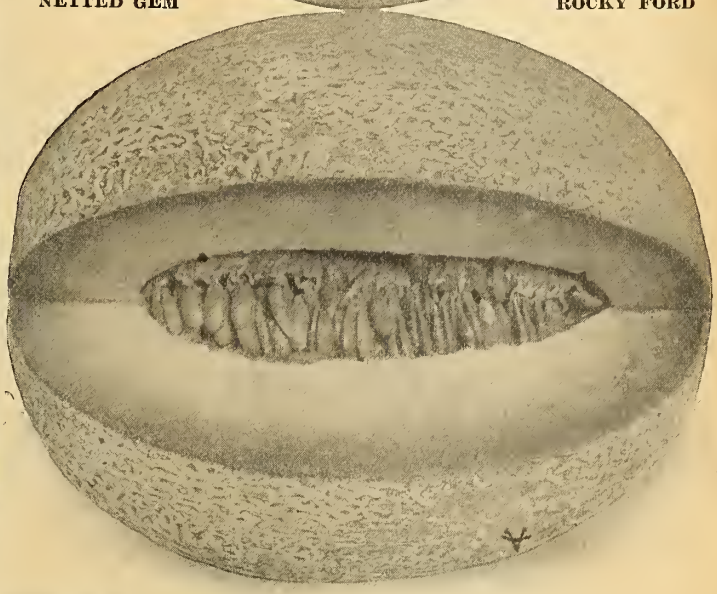
MILWAUKEE MARKET

MUSKMELONS

ROCKY FORD NETTED GEM—SELECTED STOCK

This delightful melon when well grown from **high-class selected seed** is the standard of **green fleshed** muskmelon excellence. "Refreshment and pleasure are found in each delicious bite, and the exquisite flavor is almost tonic in its appetizing effect." The seed we offer is grown for us by an expert melon grower in the Rocky Ford district, Colorado. We have two grades, selected, which is saved from specimen marketable melons only, and regular, saved from a field raised for seed purposes only, from which only the off vines have been discarded. The selected stock which comes from the culled specimen melon is more uniform and produces more melons of the specimen type. The regular stock is saved from a field grown for seed, but without the time and expense of special selection having been spent upon it. The illustration on this page shows the small seed cavity, and the thick, rich, juicy flesh, which is so delicious it may be eaten to the very rind. Vaughan's Selected Stock of Rocky Ford is cheapest because best. **Vaughan's Selected Stock (from best melons). Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75. Regular Stock. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**

NETTED GEM ROCKY FORD

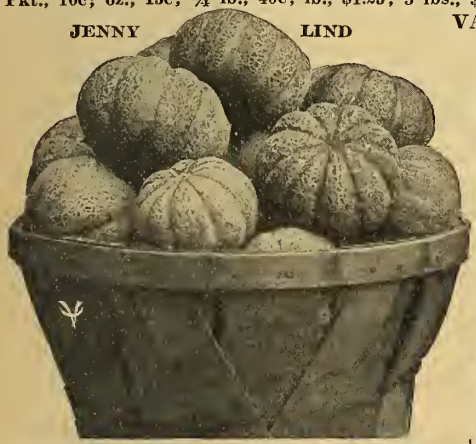


VAUGHAN'S OSAGE GEM

A real gem with salmon colored delicious flesh, and where Rocky Ford Netted Gem is produced in Colorado it is as much in favor as the green fleshed variety. This melon was first introduced by us under the name "Vaughan's Osage Gem." It has since become the most renowned melon of any offered on the market. The regular seed trade all have it listed under other names. The skin is heavily netted like the Rocky Ford and the luscious salmon colored flesh is of the highest quality. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.**

BENTON HARBOR GEM. A selection of the Eastern Oval Netted Gem, made by a veteran grower in the Michigan melon district. Select Seed. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25; 5 lbs., $5.00.**

JENNY LIND



VAUGHAN'S CHICAGO MARKET

This we consider the best Nutmeg for earliness of maturity, large and uniform size, thickly netted skin, small seed cavity, deep green flesh, juicy delicious flavor and freedom from rot. A favorite with all who prefer a green flesh sort. **Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.40.**

SWEET-AIR—New

This is a large green fleshed Gem melon, very uniform in size, which has, in the past few years, become the popular variety around Washington, Baltimore and Philadelphia. In that region Sweet-Air produces a melon of superior flavor and commands the highest market price in preference to all other sorts. The melons are oval in shape, five to six inches across, and seven to eight inches long. The netting is good and as a crate variety it will stand long distance shipments. The flesh is thick, dark green in color with a light pink near the center. The vines are vigorous and withstand blight much better than other Gem sorts, remaining green until the fruits are fully ripened. **Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00.**

JENNY LIND. VAUGHAN'S SELECTED STOCK. A compact packer, with rind thick at ends, which are flattened and are not easily broken down when crated or basket packed for shipment. The quality is unsurpassed for eating. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

EXTRA EARLY HACKENSACK. Ten days earlier than old "Hackensack," of which this is a selection. The melons weigh 4 to 10 lbs. each; market growers should remember that this is one of the best, earliest, hardiest, most prolific of netted melons—and has fine flavor. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00. Hackensack—late strain: Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

CHAMPION MARKET. The flesh is light green and of very rich sweet flavor. Early as Netted Gem, which it resembles in shape, but is fully three times its size. Very prolific, a good shipper. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

OVAL NETTED GEM. The old style Gem which was in such favor before the appearance of the New Rocky Ford types. This melon often meets the Eastern conditions better than does the Rocky Ford grown seed. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c.**

ROUND GEM. A round selection of the netted Gem. In some sections this type is still popular. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**

MANGO MELON. Vegetable Peach. Golden yellow, resembles an orange in shape and size; the flesh is snow white. They make splendid mangoes, stuffed like Peppers. For sweet pickles, pies and preserving. Packet has cooking directions. **Large pkt., 10c; 3 for 25c.**

GARDEN LEMON. Fruits short, nearly round, with yellow and green markings, skin smooth, flesh tender, sweet melon flavor. Best when turning yellow. **Pkt., 10c; 2 for 15c; oz., 25c.**

EXTRA EARLY HACKENSACK

EMERALD GEM.

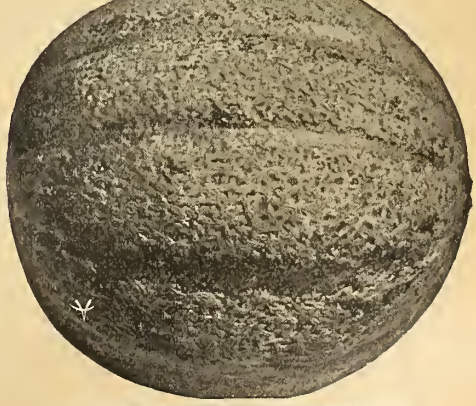
The skin is smooth and deep emerald color, the flesh is thick and of delicate salmon tint. The vines bear early and are very prolific. A splendid home garden melon, but is not a good shipper, it is, however, one of the sweetest and best quality melons and well adapted to the purposes of the home garden. **Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., $1.25.**

THE SYRACUSE. The largest superior quality melon. Specimens weigh 6 to 9 lbs. Skin grayish green, flesh light green.
Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

EARLY CITRON, LANDRETH'S. Very early half flat sort. Flesh green, of fair quality.
Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.

BANANA. Cucumber shape. Delicious odor. Rather late maturing.
Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.25.

EXTRA EARLY NUTMEG. Nutmeg shape. Very early; green flesh.
Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.



THE OSAGE GEM MUSKMELON

VAUGHAN'S LIVE PURE CULTURE SPAWN

VAUGHAN'S LIVE

GROWING MUSHROOMS

MAKE MONEY

The market supply of mushrooms is not nearly great enough to meet the increasing demands of hotels, restaurants and homes for this choice table delicacy. An opportunity is, therefore, afforded for making money, to those who desire to enter this field, on a commercial scale. What we say here is for those who have an ambition to enter this field, rather than to make an unlimited appeal; for the reason that certain fundamental and rather technical principles underlie mushroom growing, which it is necessary should be thoroughly understood to attain success. There is no secret process, but much preparation is necessary and conditions must be right. Many amateurs are now growing mushrooms successfully. Results are not hard to

LAMBERT'S PURE CULTURE MUSHROOM SPAWN

This Spawn is made in America from selected Mushrooms grown under cultivation. Such Spawn is fresher than the English, which must be thoroughly dried before its long journey; the growth of American Spawn is therefore quicker and stronger than the imported. We receive monthly shipments from our manufacturer, The American Spawn Co. (Lambert), so that our Spawn is always fresh, live and strong.

We carry the pure white, brown, and cream brown varieties; known also under manufacturer's number and as Alaska, Columbian, Holland, and Bohemia.

Price—Direct Bricks, inoculated direct from Pure Cultures. Brick (weight 1¼ lbs.), 30c; 5 bricks, $1.25; 10 bricks, $2.00; 25 bricks, $4.25; 100 bricks, $15.00. Not prepaid.

Standard Bricks, inoculated from Direct Bricks. Brick (weight 1¼ lbs.), 25c; 5 bricks, $1.00; 10 bricks, $1.85; 25 bricks, $3.75; 100 bricks, $12.00. Not prepaid.

Washington, D. C.
"The Mushroom Spawn, Lambert's No. 8 Direct, I got from you was the best spawn I ever had. From one bed 3'x40' we picked over 6 bushels in one week."
G. E. Anderson.

Order Lambert's Spawn by Number. The following strains produce fairly true to type. White and Cream White are the most popular market varieties.

5. Brown (Bohemia) prolific, grows in clusters.
6. White (Alaska) similar to 9, but with heavier stem.
7. Brown (Bohemia) hardy, good producer, very heavy.
8. Cream White, hardy, prolific—preferred for summer planting.
9. White (Alaska) a market favorite.
10. Light Brown (Bohemia) heavy, quite fleshy.
11. Cream (Columbia) similar to 8, but larger and slightly darker.
12. Cream (Columbia) large and very fleshy.

Make Bed in Basement or any Out-Building—Temperature 55° to 65° Fahrenheit

COLE'S EARLY

BEST EARLY WATERMELON

For market long sorts Tom Watson and Alabama Sweets are good.

VAUGHAN'S

COLE'S EARLY

In the Northern States Vaughan's "Cole's Early" has long been a great favorite and continues to enjoy the patronage and confidence of important home market growers—it is a home market melon. It is early and as such has no superior, although not well suited for shipping. For quality it is king, in sweet, delicious crispness, fetching flavor and melting tenderness, it stands at the top. Medium size melons, they are oblong shape, about 20 inches long, 12 inches through; skin rich green, thin brittle rind—poor shipper—but flesh appetizingly red, rich, delicious and sweet. Our seed is extensively planted in the northern states where it is produced, and where this melon is at home in the home garden a reliable early. Vines are vigorous and very productive. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c. By express: 5 lbs., $2.85; 10 lbs., $5.25.**

A Great Melon Grand Shipper

NEW MELON

The best shipper of the long melon varieties; a combination of excellent qualities has given this great popularity in a few seasons. There is joy in every bite of the deliciously flavored, sweet, red flesh, crisp, tender and melting, so satisfying and delightful is its thirst quench-

WINTER WATERMELON

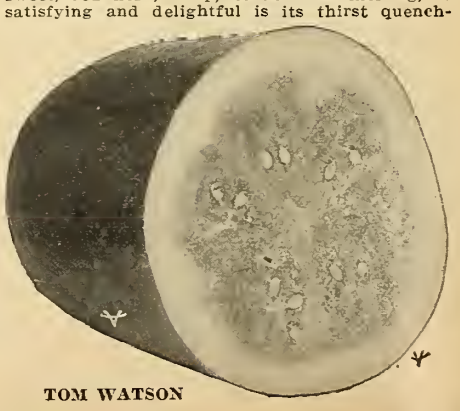
The fine keeping quality of this variety, apart from its palatable edibleness, makes it a special favorite, and gives it a special place. In a cool place it keeps long into the winter and retains its delicious sweetness and flavor. It is early (earlier than "Sweetheart"), and prolific; the flesh is red, extremely firm, almost as hard as citron, very brittle, but deliciously sweet. Skin is very light green, almost white, its shape round. Vaughan's Winter Melon will give satisfaction to those who want a winter variety. **Pkt., 10c; ½ oz., 15c; oz., 25c; 2 oz., 40c; ¼ lb., 75c; lb., $2.00, postpaid.**

NEW CHILIAN

Has already attained considerable popularity although new, and is sure to advance with wider distribution. It is desirable for the home garden and is a good shipper—a fine sort for southern climates. Very attractive, of medium size, nearly round, skin-deep rich green, faintly mottled and striped, stripes of lighter shade. The flesh is bright vermilion, fine grained, very firm, very sweet and excellent flavor; a good keeper, and has white seed. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.**

ALABAMA SWEETS

A Southern favorite, there it grows to perfection; and is a grand shipper. It is oblong in shape, dark green skin, irregularly striped, has bright red flesh of delicious flavor and sweetness. Our strain is especially fine, the seed is white. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 5 lbs., $2.85.**



TOM WATSON

MUSHROOM SPAWN

PROFITABLE BUSINESS IN THIS LINE

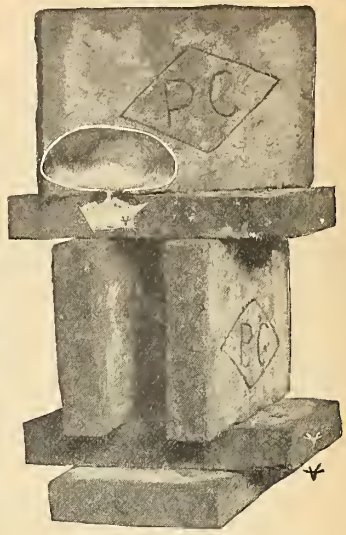
obtain where a bed may be made in the basement, barn, woodshed or other (water-tight) out-buildings where an even temperature of 55 to 65 degrees Fahrenheit is maintained during the cold months. We issue a 12-page booklet "How to Grow Mushrooms," which we send free with an order for spawn, when requested. The simple instructions contained in that booklet, if carefully followed will enable any intelligent person to produce mushrooms successfully; where the first effort fails, the second is almost invariably successful. We conduct a very extensive business in this line, supplying the largest growers in the U. S. A.
—We Invite Enquiries.—

ENGLISH MUSHROOM SPAWN

This is the best English make. Our manufacturer is the oldest Mushroom grower in England and the largest in the world. It is far superior to the old English Milltrack Spawn, being made from carefully grown selected specimens. This spawn is made especially for us, who handle more of this article than any one else in the United States, and we receive fresh importations eight to ten times each year. It comes in pressed bricks weighing almost 20 ounces.

Prices, (weight per brick, 1¼ lbs.), brick, 15c; 2 bricks, 25c; 8 bricks, $1.00; 25 lbs., $2.00; 100 lbs., $7.00; if shipped from New York, per 100 lbs., $6.00. Special prices on ½ ton lots and upward.

VAUGHAN'S LIVE PURE CULTURE SPAWN



NOTE

The popularity of Pure Culture Spawn is increasing rapidly and many of the large commercial growers are now using this where they formerly planted the English. They claim it is a surer crop. Amateurs have much the best results with this kind. A Pure Culture, 3-page booklet, free with order of over two dollars.

"Mushrooms. How to Grow," published by Vaughan's Seed Store. A 12-page booklet, 10c postpaid. Free with a mushroom order if requested.

Mushroom Culture. How to prepare the beds and raise the Mushrooms. Robinson, best English book, cloth bound, 50c, postpaid.

OKRA—OR GUMBO

This vegetable should be planted a great deal more than it is. Extremely easy to grow and its young seed pods are delicious in soups and alone. Probably the finest known vegetable for this use. Full planting and cooking directions on each package.

WHITE VELVET—Produces pods larger than any other. They are never prickly to the touch, always round and smooth, while in other varieties they are either ridged or square-holed. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

DWARF—Grows low but stocky and is very productive. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.**

TALL OR PERKINS MAMMOTH—The long pods measuring 4 and 5 inches are produced in great quantities. The appearance is handsome, of green color and best quality. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.**

DWARF, TALL OR PERKINS' MAMMOTH

OKRA

MARTYNIA—For PICKLES

The young and tender seed pods make a very fancy pickle. These pods are of curious shapes and bear abundantly. They should be gathered when less than half grown. For culture see Vaughan's Vegetable Garden. **Pkt., 10c; ½ oz., 20c; oz., 35c.**

MUSTARD

The leaves make a salad or may be boiled like Spinach.

Giant Southern Curled

The large leaves, which often measure 14 inches, are ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves are eaten boiled, like Spinach.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

Improved Ostrich Plume (Fordhook Fancy)

The handsomest of the Mustards. Rich dark green leaves of excellent quality. Vigorous habit and withstands summer heat.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.

White—Best for general use. **Oz., 5c; ¼ lb., 15c; lb., 40c.**

Brown—Stronger than above. Price, same as White.

WATERMELONS

For market round sorts—Black Diamond, Sweetheart, Kolb's Gem Improved are good; for home use plant Cole's Early, Kleckley Sweets and Tom Watson.

KLECKLEY SWEETS

Sweetest of All.

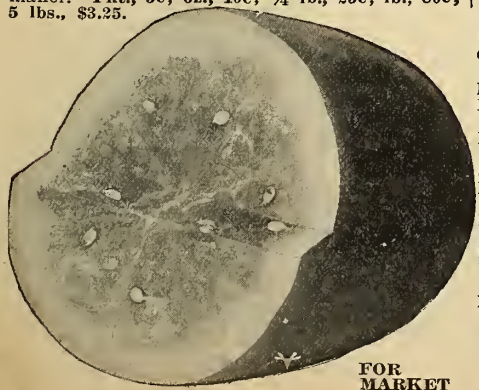
VAUGHAN'S SPECIAL

In the north is only a few days later than "Cole's Early." Vaughan's seed has been grown with this object in view and success has rewarded our efforts. There is no melon superior in quality to Vaughan's Strain of Kleckley Sweets, the bright scarlet flesh is the ideal of watermelon quality; firm, crisp, tender, without cotton or stringiness, and delicious to the last bite. It is not a good shipper, the rind being thin and brittle; has rich, dark green skin; size about 20 inches long, 10 to 12 inches through (identical with "Monte Cristo"). For home and local market gardens it is a splendid melon. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c. By express: 5 lbs., $3.25.**

BLACK DIAMOND. Runs very large, and prolific, medium early. Dark green, round or blunt oval shape, fine shipper. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

TOM WATSON

ing richness it is in a class by itself, 24 inches long, 12 inches through, dark-mottled green rind which is thin but strong—and flesh can be eaten to within ½ an inch of the skin. For home. market garden or shipping it is a money maker. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c; 5 lbs., $3.25.**



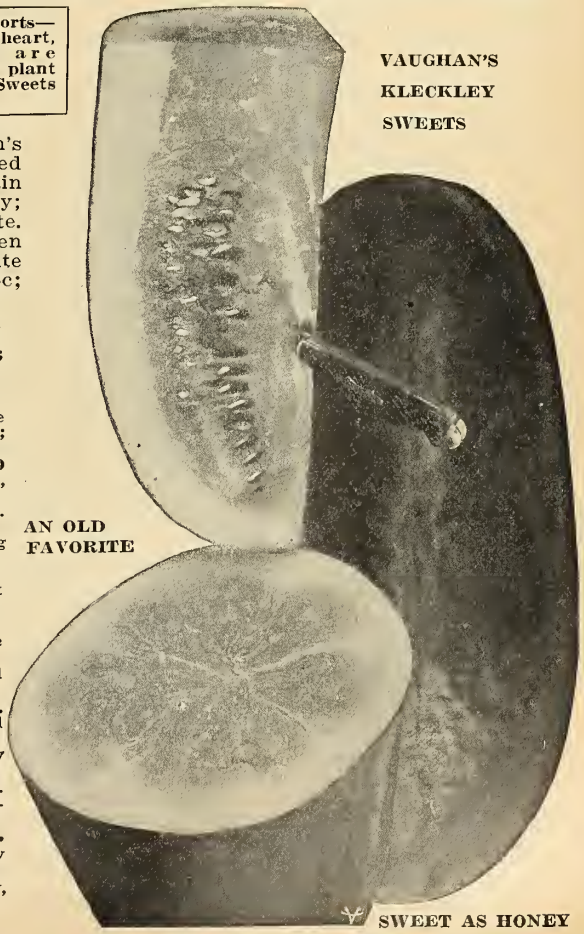
FOR MARKET

SWEETHEART. Oval, light green mottled. Flesh bright red, very firm, yet tender. A fine shipper. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

STANDARD VARIETIES

Any of the following (except where noted). **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c;** postpaid.

COLORADO CITRON; RED SEEDED CITRON—For preserves each. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**
CUBAN QUEEN—Late, large, good.
DUKE JONES—Round, large shipper.
EARLY FORDHOOK—Earliest shipping melon.
FLORIDA FAVORITE—Long, striped.
GREY MONARCH—Oblong; very light green.
ICEBERG—Similar to Kolb's Gem.
ICE CREAM OR PEERLESS—Early fine quality home melon.
ICING, DARK—A very solid dark colored shipping sort.
JONES' JUMBO—An old favorite; large.
KOLB'S GEM, IMPROVED—A standard market shipping melon.
McIVER'S WONDERFUL SWEET—Very sweet long melon.
MOUNTAIN SWEET—Oblong; thin rind.
PHINNEY'S IMPROVED—An early medium sized oblong melon.
RATTLESNAKE OR GYPSY STRIPED—Oblong, striped and mottled; very sweet; popular South.
THE DIXIE—Old standard second early, good shipping variety.
TRIUMPH—Very dark; large shipper.



VAUGHAN'S KLECKLEY SWEETS

AN OLD FAVORITE

SWEET AS HONEY

VAUGHAN'S ONIONS

Thin Neck Pedigree Bred

Southport Red Globe

The exact counterpart of Southport Yellow Globe in shape, finely bred neck, handsome appearance, etc.; beautiful rich crimson color, large spheres, solid and firm. Seed grown by a specialist under our own supervision. **Eastern grown seed: Pkg., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50; 5 lbs., $12.00; 10 lbs. $23.00.**

Western grown seed: Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., $2.00; 5 lbs., $9.50; 10 lbs., $18.00.

OHIO RED GLOBE is an onion with fine uniform RED COLOR. Shape resembles Ohio YELLOW GLOBE. The seed is grown for us by the originator of this strain, an experienced onion grower in Lake County, Ohio. **Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50; 5 lbs., $12.00; 10 lbs., $23.00.**

Beautiful Yellow Skin

The past season, 1915, has not proven a profitable one in general to onion growers. Too much wet weather, where it did not drown out the crop entirely, has produced a soft and poor keeping onion. At the time (Dec. 26) this catalog is going to press, it looks as though good keeping onions in late January and February would command extraordinarily high prices. The early market has been kept down by the presence of the poor keeping stock which it was necessary to move at any price obtainable. The government reports a much decreased amount fit for storage—the total of which is much lower than in former high-priced years.

To the row the present season, our Chicago gardeners could tell where Vaughan's Special Eastern Globe onion seed was planted—here was a perfect, vigorous stand. While other seed stood still, Vaughan's continued growing and finally at the harvest practically the only marketable onions were produced from Vaughan's or from the farmer's own home grown seed. Such seed grown in the East costs more than the common run but this year it was worth many hundred per cent more and every year many dollars more per pound.

SOUTHPORT YELLOW GLOBE

Conspicuous, large, golden yellow spheres, of exceptional beauty; a late, large, main crop variety; best keeping quality. The buyer of a packet and the planter for carload shipments are equally enthusiastic over this gem among onions. Sacked or barreled for market. Its size, beauty, quality and fine appearance make it a trade winner.

Eastern grown seed: Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., $2.75; 5 lbs., $13.25; 10 lbs., $26.00.

Western grown seed: Pkt., 5c; oz., 25c; ¼ lb., 70c; lb., $2.35; 5 lbs., $11.25; 10 lbs., $22.00.

VAUGHAN'S APPLE-SHAPED RED GLOBE

An ideal, small neck, dark red globe onion; sound and solid, perfect type. The seed is always grown in the eastern parts of the United States, which insures uniform rich color; California, or far western grown seed, loses the rich color so much desired. Our seed and RE-SELECTED bulbs produce this variety, unsurpassed for size, shape, color and quality. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50; 5 lbs., $12.00; 10 lbs., $23.00.

LARGE POPULAR

To attain largest size, plant in early spring in hot bed, later transplant to open ground. This applies to all large onions.

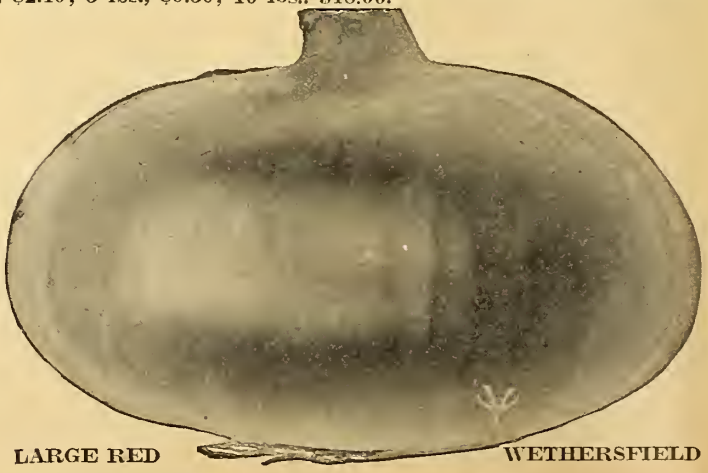
AILSA CRAIG

AILSA CRAIG VAUGHAN'S SELECTED STOCK

The most popular large onion grown in England; with handsome appearance, fine straw colored skin, large size and great weight it is a successful competitor of imported, large Spanish onions. The bulbs are oval shaped and 12 have been known to weigh 30 lbs. They are beautiful and for large onions are splendid keepers. The flesh is mildly pungent with fine flavor. Good for eating raw. Ailsa Craig will outrank other popular ones when better known. It is unexcelled for exhibition and is a profit making high quality onion. **Pkt., 15c; ½ oz., 25c; oz., 50c; ¼ lb., $1.40 lb., $4.50.**

PRIZETAKER, AMERICAN GROWN

Exceptional among large onions for beauty and size, of the same type as the large Spanish onions imported and sold for high prices. Our American grown seed has become acclimated through many years of careful culture. Prizetaker is a yellow globe which matures to great size in the right condition, but requires a long season, and should be started early in hot bed. When properly ripened it keeps well. **Pkt., 5c; oz., 20c; 2 ozs., 35c; ¼ lb., 60c; lb., $2.10; 5 lbs., $9.50; 10 lbs., $18.00.**



LARGE RED WETHERSFIELD

LARGE RED WETHERSFIELD—An onion of very productive habit and a fine keeper. The skin is deep purplish red, which covers a round somewhat flattened bulb of flesh, purplish mixed with white. Moderately fine grain and mild flavor. In poor soil it does best, grows a thinner neck than in strong soil. It is standard in its class, in the South and Southwest where immense quantities are grown for market.

Our seed is carefully selected California grown—none better. **Pkt., 5c; oz., 25c; ¼ lb., 70c; lb., $2.50; 5 lbs., $11.75; 10 lbs., $22.50.**

PEDIGREED SEED

We take great pride in these globe types of ours and we think they are as good as can be grown. In the first place they are grown in the East where color, shape and keeping quality can be maintained and bred up, an impossibility in the West. Second, our seed bulbs are selected and re-selected year after year. Third, the different colors are sown miles apart and stored in different houses after harvest to prevent mixtures. Fourth, our seed harvest is carefully cut and dried in the husk on racks which secures the highest possible germination.

Thorough cleaning in mills and apparatus specially made for treating onions leaves nothing undone to obtain the best onion seed brains, labor and money can secure. Many of the largest and most successful commercial onion growers now plant only Vaughan's Special Onion Seeds. Both the Eastern and California Onion Seed Crop is very short. **Insure quality seed and buy early.**

Globe of Finest Quality

IDEAL WHITE GLOBE

"Ideal White Globe" is strikingly handsome, highly recommended by expert growers for market purposes; true globe, pure white, small neck, ripening very early and evenly, fine keeper, and fine quality. This is a Vaughan high merit onion, which has no superior. Our record in supplying Chicago and western market gardeners and commercial growers is the best evidence of their success.

Eastern grown seed: Pkt., 10c; ¼ oz., 25c; oz., 40c; 2 ozs., 75c; ¼ lb., $1.25; lb., $4.00. Write for prices in larger quantities.

Western grown seed: Pkt., 10c; oz., 35c; 2 ozs., 60c; ¼ lb., $1.00; lb., $3.60; 5 lbs., $17.00; 10 lbs., $33.00.

AUSTRALIAN BROWN GLOBE. A large light brown skinned onion; an average bulb 3 inches in diameter weighs about 7 ounces. Perfect globe shape, quick to mature, ripens evenly on all soils; thin neck, long keeper, solid flesh, grand shipper. A bushel weighs many pounds more than the American varieties. **Pkt., 5c; oz., 20c; ¼ lb., 65c; lb., $2.25; 5 lbs., $10.75; 10 lbs., $21.00.**

True Ideal Types

OHIO YELLOW GLOBE

Is always a quick seller at a good price. It attracts attention by its uniform shape, beautiful color and fine size, in all of which it outranks the old type Yellow Globe Danvers in popularity for general market purposes. This is a beautiful sphere of superior quality, its finely bred small neck, large bulb, solid flesh, uniform growth, heavy cropper, fine keeper, make it a favorite with growers, as its handsomeness and excellent quality make it so with consumers. Ohio grown. **Pkt., 10c; oz., 25c; ¼ lb., 80c; lb., $2.75; 5 lbs., $13.25; 10 lbs., $26.00.**

VAUGHAN'S SPECIAL

Buy Early—Plant Early.

VARIETIES

ONION SET GROWERS

WRITE FOR SPECIAL PRICES.

FANCY YELLOW GLOBE DANVERS

Buy Early—Plant Early. Use Vaughan's Nitrate of Soda Fertilizer for Onions; it gives young plants needed food.

FANCY YELLOW GLOBE DANVERS

Has many valuable qualities which make it a standard early onion that gives satisfaction to consumers and profit to growers. Almost true globe shape, beautiful yellow skin, pure white flesh of excellent quality, good size, thin neck, early. Our strain is so near to globe shape that it passes for globe and being several weeks earlier than Southport Globe, offers advantage of **early market higher prices.** The crop ripens uniformly at one time—keeping quality very best. Our strain is selected and grown with greatest critical care. **Pkt., 5c; oz., 20c; ¼ lb., 65c; lb., $2.25; 5 lbs., $10.75; 10 lbs., $21.00.**

YELLOW FLAT DANVERS

YELLOW FLAT DANVERS is a standard onion with many splendid qualities and is a valuable general crop sort. It is a medium size bulb, quite thick through but flattened, has coppery yellow skin, thick neck, and creamy white flesh which is mild and of pleasant flavor. It combines a large yield with very even ripening quality, and in every respect is first class where a strictly globe shaped onion is not demanded.

For home and market gardens it is equally popular and standard.

Pkt., 5c; oz., 20c; ¼ lb., 65c; lb., $2.20; 5 lbs., $10.50; 10 lbs., $20.00.

YELLOW FLAT DANVERS

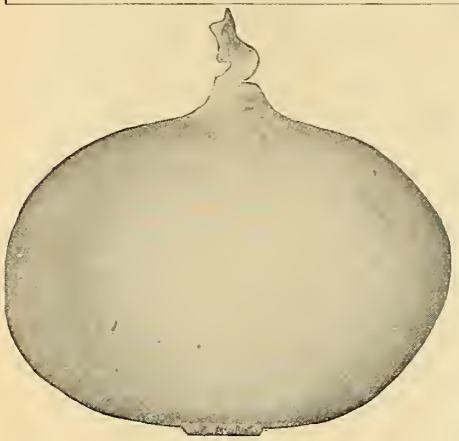
YELLOW GLOBE DANVERS. Same as above except these do not run as globe shaped, but color, ripening and keeping are identical. **Pkt., 5c; oz., 20c; ¼ lb., 65c; lb., $2.00; 10 lbs., $19.00.**

MAMMOTH SILVER KING. Averages 15 to 22 inches in circumference and weigh 2½ to 4 lbs. each. It matures early and is uniformly large and of good shape, is flat but thick. Skin is clear silver white, flesh snowy white, tender, sweet and mild. Size, shape, color, quality, all make it ideal for exhibition, fancy market or table. **Pkt., 5c; oz., 25c; ¼ lb., 70c; lb., $2.25.**

CRYSTAL WHITE WAX. This is a pure white flat onion, very popular in the South, especially in Texas. We have also found it well suited to the North, in our trials of this strain. Teneriffe seed. **Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.60.**

WHITE AND RED BERMUDA. In Bermuda and Texas a great many carloads of these very large onions are produced annually; they are shipped North for early spring use. Our imported Teneriffe seed gives best results. **White, Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., $2.75. Red, Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 60c; lb., $2.10.**

VAUGHAN'S ONIONS



WHITE PORTUGAL

WHITE PORTUGAL OR SILVERSKIN

Is a highly favored onion by the great number of planters who use it, as well as by the consuming public. It is extensively used for growing **White Onion Sets** and **Pickles**, and also for early Bunching or **Green Onions**; for either of these purposes it has highest merit. It is also grown for market as a **large White Onion**, for Fall and early Winter use. The skin is clear white, beautiful as glistening silver, bulb medium size and flat shape, fine mild flavor, and for keeping is best of the White Onion varieties. **Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., $3.10, postpaid. By express—5 lbs., $15.25; 10 lbs., $30.00.**

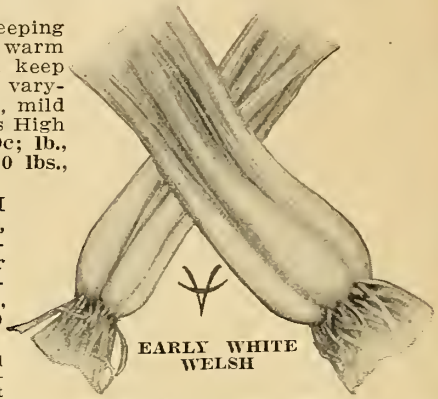
BROWN AUSTRALIAN (Flat)

An extra early, sure bottoming, long keeping variety, yielding large crops; a favorite in warm climates where ordinary large onions do not keep well. Medium size bulbs, amber brown skin, varying shades, solid white flesh, crisp, sweet, fine, mild flavor. We offer seed of the known-Vaughan's High quality standard. **Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., $2.20, postpaid. By express—5 lbs., $10.50; 10 lbs., $20.00.**

STRASBURG OR LARGE YELLOW DUTCH

Larger and more flat than Yellow-Danvers, has white flesh of fine grain, mild, well flavored—a splendid yellow onion for sets. Our seed is very carefully grown, and has no superior. **Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., $2.20, postpaid. By express—5 lbs., $10.50; 10 lbs., $20.00.**

EARLY WHITE WELSH ONION. The best kind for green onions, forms no bulb. Plants can be propagated from seed or divisions, a great saving in cost over top sets. **Pkt., 10c; oz., 25c; 2 oz., 40c; ¼ lb., 75c; lb., $2.50.**



EARLY WHITE WELSH

EXTRA EARLY FLAT RED

One of the **handsomest red onions**, and first to ripen; grown from Vaughan's carefully cultured seed, will ripen two weeks earlier than other strains of this variety. Our experienced eastern grower has specialized on earliness and uniform ripening. Flat, good red color, medium size. **Pkt., 5c; oz., 25c; ¼ lb., 70c; lb., $2.50, postpaid. By express—5 lbs., $11.75; 10 lbs., $22.50.**

EARLY YELLOW CRACKER. The earliest of the yellow flat varieties; where seasons are short, or to meet the demands of an early market, this is a very desirable sort.

It is of excellent flavor, and good keeping quality. Very desirable for sets. **Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., $2.20, postpaid. By express—5 lbs., $10.50; 10 lbs., $20.00.**

THE BOLTON—the Onion for Sets. An early pale red variety, similar to Australian Brown, a little more uniform in color of skin and a little deeper tinge of red. It is of medium size and shaped like Flat Danvers. One of the best varieties sold. **Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., $2.20, postpaid. By express—5 lbs., $10.50; 10 lbs., $20.00.**

ITALIAN ONION SEED

VAUGHAN'S PICKLING. One of the best white onions for pickling; it is small, round, hard, crisp and tender, early and ripens uniformly. A very handsome sort with opaque white skin—not a good keeper. Excellent for **green onions**, pickles or for immediate use when grown for large onions. Flavor, very sweet and mild. **Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., $3.10, postpaid. By express—5 lbs., $14.50; 10 lbs., $28.00.**

WHITE QUEEN. Remarkable for earliness and very mild flavor, it is small and white skinned. General favorite with pickle manufacturers. **Pkt., 10c; oz., 25c; ¼ lb., 80c; lb., $2.45. By express—5 lbs., $11.75; 10 lbs., $22.50.**

WHITE BARLETTA. Beautiful waxy-white color, much admired by housewives. **Pkt., 5c; oz., 25c; ¼ lb., 70c; lb., $2.50, postpaid. By express—5 lbs., $11.75; 10 lbs., $22.50.**

GIANT ROCCA. A large globe shaped onion. The flesh is very sweet and mild. This variety ripens evenly and does well in both Southern and Northern climates. We offer two colors, brown and yellow. **Pkt., 5c; oz., 25c; ¼ lb., 70c; lb., $2.35.**

YELLOW MULTIPLIER. Pkt., 10c; ½ oz., 20c; oz., 35c; 2 ozs., 60c.

ONION SET PRICES are subject to market changes which vary from day to day. Latest values on quantity lots quoted on request.

ONION SETS

ONION SET CROP 1915. On account of the very wet season, a very poor quality crop was produced. Sets run large in size and are poor keepers. Sets will be high in price in the spring of 1916.

WHITE BOTTOMS. Our sets of these are very choice, small, dry and unsprouted. **Pt. (about 12 ozs.), 20c; qt. (about 24 ozs.), 30c; 2 qts., 55c; ½ pk., 75c; pk., $1.25; bu. (32 lbs.), $4.00.**

YELLOW BOTTOMS. Fine dry sets, medium in size and unsprouted. Fine for raising early big onions. **Pt. (about 12 ozs.), 15c; qt. (about 24 ozs.), 25c; 2 qts., 40c; ½ pk., 60c; pk., 90c; bu. (32 lbs.), $3.00.**

RED BOTTOMS. Bright, deep red in color, even and dry. Much used for raising early big onions. **Pt. (about 12 ozs.), 15c; qt, (about 24 ozs.), 25c; 2 qts., 40c; ½ pk., 60c; pk., 90c; bu. (32 lbs.), $3.25.**

SPECIAL OFFER. 1 pint (about 3 lbs.), each above three colors, **40c; 1 quart (about 6 lbs.), each, 70c.**

Egyptian or Red Perennial. This variety never forms a large bulb; its value lies wholly in its **special adaptability to produce Green Onions** for Spring or Fall use which are perfectly hardy and stay in the ground all the time. **Pt. (about 10 ozs.), 12c; qt. (about 20 ozs.), 20c; ½ pk., 35c; pk., 60c; bu. (28 lbs.), $2.00.**

WHY ONION SETS ARE PLANTED

Onion Sets produce bulbs in one-half the time that is required by raising from seed, the planter is enabled thereby to get the **highest market price** for his **early onions**, and raise a second crop the same year.

Vaughan's Hazel Size Bottom Onion Sets

Extra selected sets measure about ⅝ inch in diameter and are uniform as it is possible to grade them. Price for White, Red or Yellow, **25c a pint, 40c a quart.** Larger quantities at quart price. If sent by mail add postage for 12 ozs. per pint, 24 ozs. per quart.

VAUGHAN'S CHICAGO ONION SETS

The handling of onion sets is one of the most important branches of our business. We ship out annually a great many carloads from our special onion set warehouse which has a capacity of 50,000 bushels.

WHITE MULTIPLIERS

For **First Early Spring Bunching** Onions, they are **pure Silvery-White**, which runs well up the stem, very sweet and mild flavor, superior to green onions from other sets. There are usually several stalks from a single bulb, which makes them very productive. The extreme earliness of this sort is most important; they are ready for table earlier than any other sort. **Pint (about 12 ozs.), 20c; quart (about 24 ozs.), 35c; ½ pk., 75c; pk., $1.25; bu. (32 lbs.), $4.50.**

Shallots or Yellow Multipliers. Flavor much superior to ordinary onion. **Pt. (about 12 ozs.), 20c; qt. (about 24 ozs.), 30c; ½ pk., 65c; pk., 90c; bu. (32 lbs.), $3.50.**

Red Spring Top Sets. These are planted to produce both early "Green Onions" and large eating onions. **Pt. (about 12 ozs.), 20c; qt. (about 24 ozs.), 30c; ½ pk., 65c; pk., $1.10; bu. (28 lbs.), $4.00.**

Yellow Potato. They produce large, dry ripe Onions, earlier than any other kind. **Pint, (about 12 ozs.), 20c; quart (about 24 ozs.), 30c; ½ pk., 65c; pk., $1.10; bu. (32 lbs.), $4.00.** Crop very short.

YELLOW WHITE RED

VAUGHAN'S PEERLESS PEPPERS

VAUGHAN'S

MAGNUM DULCE

"The Salad King" of American grown sweet peppers; the largest in size, and so mild, that the sweet and piquant fruit may be eaten raw like an apple. Fried like an egg plant, it is a delicious dish.

Magnum Dulce can be grown to tremendous size, 7 inches long by 4 inches through; but to get the largest yield, instead of the largest peppers, pinch off the "king flowers," the first ones to open, which produce the largest peppers. By the practice of pinching off the king flowers you increase the yield of medium size fruits.

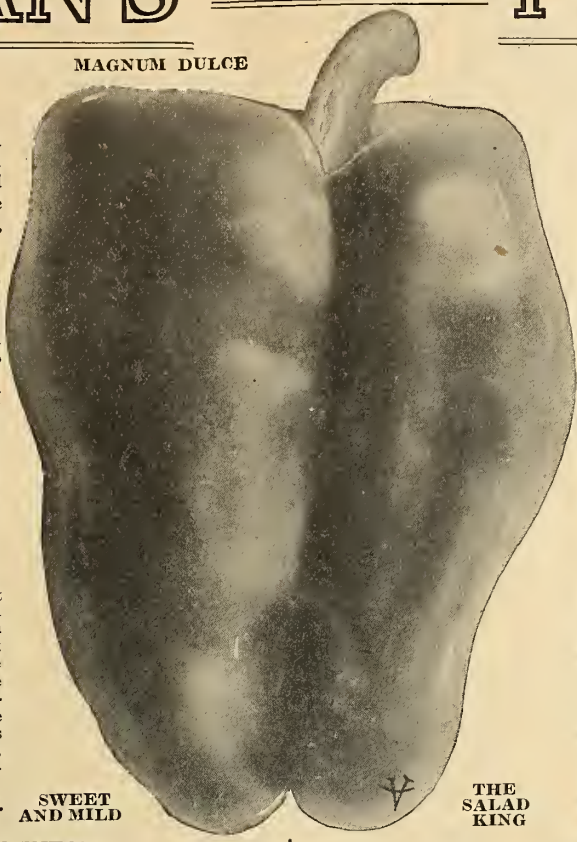
Our seed is most carefully grown and selected every year. **Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50; lb., $5.00.**

NEW SWEET UPRIGHT SALAD

For use in Northern states it is the best garden variety to date. Early and so mild in flavor that even the seed may be eaten raw. The fruits are of medium size, just right for stuffing and frying. In habit the bushes are of medium height and bear the Peppers upright instead of drooping, making gathering very easy. The color of the Pepper is a bright shiny green which turns to a waxen red when ripe. Early, prolific, sweet and mild, fine size, making it all together an unsurpassed sort.

Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.00.

MAGNUM DULCE



SWEET AND MILD

THE SALAD KING

NEW SWEET PEPPER

NEAPOLITAN SALAD

This new sort ripens earlier than the "Neapolitan," which was formerly the first pepper of marketable size —this is a cross between Neapolitan and "Upright Sweet Salad"—it is as large as its namesake parent; the color is light green changing to bright red when ripe. It is a great producer, the plants being loaded with fruit; when ripening a mass of beautiful red and gold is the appearance they make. **Pkt., 10c; ¼ oz., 20c; ½ oz., 30c; oz., 50c.**

See novelty page for Pepper Crimson Giant.

CHINESE GIANT

This variety is double the size of Ruby King; not so large as Magnum Dulce. This is the standard large Sweet Pepper. It is quite early to ripen and very productive for so large a variety. Productiveness may be increased by pinching the first or "King" blossoms which appear. They grow 4 or 5 inches broad at the top, and are of equal length. Quite uniform in size. The flesh is mild and unusually thick, and makes an excellent salad sliced and served like tomatoes. Color green changing to a glossy scarlet when ripe. **Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50; lb., $5.00.**

VAUGHAN'S SWEET MOUNTAIN

A strong growing variety and very productive. The fruits when young are a bright, deep green color without any shade of purple; when ripe they are most handsome red. The flesh is thick and mild, though sharper than Upright Sweet Salad. The Peppers often grow 6 inches long by 4 inches through. Our seed has been very carefully selected.

Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., $2.60.

RUBY KING. One of the most popular varieties; growing 4½ to 6 inches long by 3½ to 4 inches thick. Peppers are a bright ruby red and make one of the best sorts for stuffed pickles. Quite sharp in flavor; the meat is thick, crisp and tender.

Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., $2.60.

FANCY WRINKLED. Quite distinct and ornamental; fine colors, pungent flavor. Used in pickles. **Pkt., 10c; oz., 30c.**

NEAPOLITAN

A great market variety on account of its earliness and productiveness. Two weeks earlier than Bull Nose. The fruits are of good size, growing on a vigorous stalky plant. The flesh is quite thick and mild. Color a light green changing to a bright red when ripe. **Pkt., 10c; 2 for 15c; oz., 25c; ¼ lb., 75c; lb., $2.60.**

	Pkt.	½ oz.	oz.	¼ lb.
BULL NOSE—Sweet Mountain is an improved type	5c	15c	25c	75c
CAYENNE—Long red; very hot	5c	15c	25c	75c
CAYENNE PICKLING—Dwarf; habit upright	5c	15c	25c	...
CELESTIAL—Ornamental	10c	15c	30c	80c
CHERRY—Prolific; fruit small and round; good for pickling	5c	15c	30c	80c
ELEPHANT'S TRUNK—Long, mild; bright scarlet	5c	15c	30c	...
MAMMOTH GOLDEN QUEEN—Large yellow	5c	15c	30c	80c
GOLDEN DAWN—Mild yellow	10c	20c	35c	...
RED CHILI—Good hot pickling	5c	15c	30c	80c
RED CLUSTER—Small and pungent	5c	15c	25c	75c
SWEET SPANISH MONSTROUS—Large fruit, mild	5c	15c	30c	80c
TABASCO—Hottest of all	10c	...	...	...

Plant 1 oz. to 25 hills, 4 pounds to the acre alone, or 2 pounds with corn.

VAUGHAN'S PUMPKINS

In a small garden plant near low fence, allowing vines to climb over.

VAUGHAN'S SUGAR PIE PUMPKIN

Is so well known as the best pie pumpkin it requires little description. The fruit is small to medium size, with solid fine grained flesh, sweet, sugary, delicious flavor. They all call for "more"; the seed cavity is small. **Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; lb., 85c.**

MAMMOTH PRIZE. A really enormous variety; specimens have been grown as large as 200 lbs. Notwithstanding its immense size it is among the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a late crop corn season to mature and should be given plenty of room (one plant to a hill) to reach its largest size.

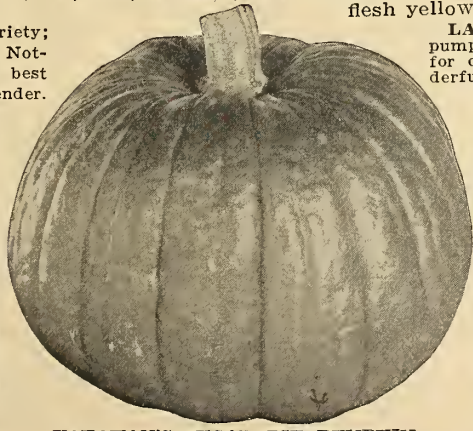
Pkt., 10c; oz., 20c; 2 oz., 35c; ¼ lb., 50c; lb., $1.50.

CALHOUN. Medium in size, solid and of excellent quality. Skin of cream color; flesh salmon yellow. A fine pie variety.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 85c.

WINTER QUEEN OR WINTER LUXURY. Generally regarded as the finest quality pie pumpkin. Besides its high quality it is the best Winter keeper of all. In size about nine or ten inches in diameter; its skin is a beautiful deep orange yellow with a very close netting almost as russeted as a potato.

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 85c.



VAUGHAN'S SUGAR PIE PUMPKIN

VAUGHAN'S MAMMOTH OR LARGE SWEET, CROP FAILURE

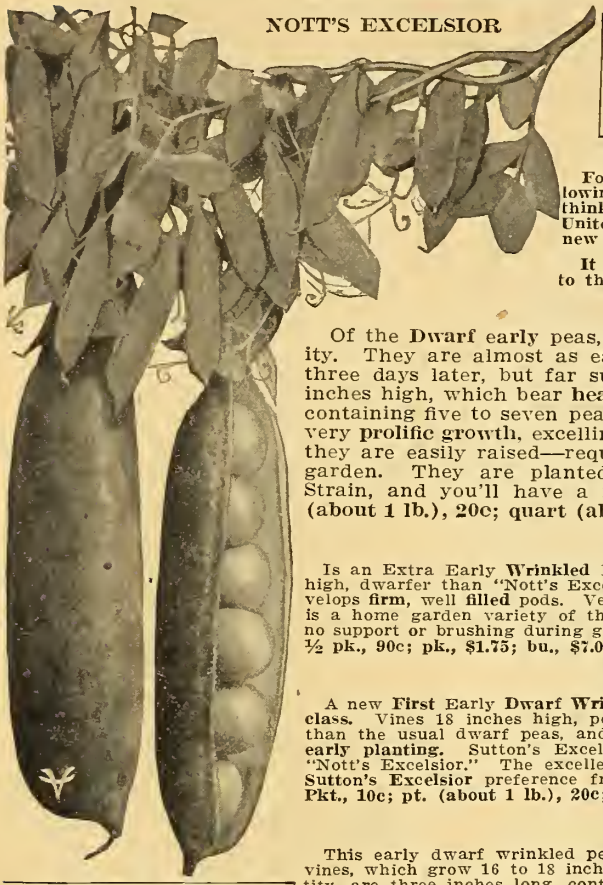
LARGE CHEESE

Of large size, shape flat like a Cheese box, very productive. Keeping quality excellent and extra well flavored and sweet. A good sort for pies as well as stock feeding. Skin buff color; flesh yellow. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.**

LARGE FIELD OR "BIG TOM." The standard pumpkin grown in corn fields to make a feeding crop for cattle. The vines are strong, vigorous and wonderfully prolific. Fruits average fifteen to twenty inches in diameter. Smooth, hard, reddish orange skin with rich orange yellow flesh.

Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 45c. By express: lb., 35c; 10 lbs. or more at 30c per lb.

	Pkt.	oz.	¼ lb.	lb.
SMALL SUGAR. Flat sort, good for the home garden	.05	.10	.25	.85
JAPANESE PIE. Finest quality, good keeper	.05	.10	.30	.90
GOLDEN OBLONG. Orange color. Flesh yellow, excellent flavor	.05	.10	.25	.85
SWEET POTATO. Bell shaped. White flesh. Used for pies	.05	.10	.30	1.00
LARGE TOURS OR MAMMOTH FRENCH. Very large size	.05	.10	.30	.90
QUAKER PIE. Pear shaped. Rich flavor and good keeper	.05	.10	.30	.90
CUSHAW, WHITE OR STRIPED. Popular Southern sort, fine flavor	.05	.15	.40	1.25



NOTT'S EXCELSIOR

NOTT'S EXCELSIOR
The Most Popular Early Dwarf Pea, Excellent Quality, Prolific.

For a description of Pioneer Pea See Novelty Page.

VAUGHAN'S

EARLY AND MAIN

For years we have paid particular attention to Peas. On the following four pages and on the novelty page No. 6 will be found, we think, the most complete list of new and standard varieties in the United States. The new sorts are the pick from a hundred trials of the new English introductions grown and acclimatized in this country.

It is impossible to purchase on the market, Peas equal in quality to those picked from your own garden.

SUTTON'S EXCELSIOR

NOTT'S EXCELSIOR

Of the **Dwarf early** peas, Nott's Excelsior has properly led all others in poularity. They are almost as early as the **round seeded** varieties, being only two or three days later, but far superior to **them in quality.** The vines grow about 15 inches high, which bear **heavy** masses of blunt pods, about 3 inches long, each pod containing five to seven peas of good size; they are tender, and delicious to eat, of very **prolific growth**, excelling "American Wonder" and Little Gem, in this respect; they are easily raised—require no brushing and are most desirable for the home garden. They are planted extensively by market gardeners. Buy Vaughan's Strain, and you'll have a most satisfactory stock of this sort. **Pkt., 10c; pint (about 1 lb.), 20c; quart (about 2 lbs.), 35c; ½ pk., 90c; pk., $1.75; bu., $7.00.**

AMERICAN WONDER

Is an Extra Early **Wrinkled** Pea, a dwarf of standard high quality. Vines 10 to 12 inches high, dwarfer than "Nott's Excelsior," usually matures a day or two in advance of Nott's, develops **firm**, well **filled** pods. Very prolific, almost as heavy a yielder as Nott's Excelsior. This is a home garden variety of the highest class—for succession plant each week—vines require no support or brushing during growth. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., 90c; pk., $1.75; bu., $7.00.**

SUTTON'S EXCELSIOR

A new **First** Early **Dwarf Wrinkled** Pea, and regarded by some as the leader and **best** of the **class.** Vines 18 inches high, pods are square at the lower end, they are larger and broader than the usual dwarf peas, and light-green color. This is a very hardy sort, which permits **early planting.** Sutton's Excelsior is a very heavy yielder—season is two days later than "Nott's Excelsior." The excellent quality, size of pods, heavy yield and hardiness, secure for **Sutton's Excelsior** preference from many gardeners, over the large podded tender tall sorts. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 40c; ½ pk., $1.20; pk., $2.25; bu., $8.00.**

PREMIUM GEM

This early dwarf wrinkled pea is not so upright in habit as "American Wonder," but the vines, which grow 16 to 18 inches high, require no brushing. The pods develop in great quantity, are three inches long, containing peas of fine quality, flavor, and give satisfaction. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 30c; ½ pk., 90c; pk., $1.75; bu., $7.00.**

A whole page of wonderful new Peas on page 6, will be found the pick of the marvelous new English, and other improved types of peas.

NORTHERN GROWN EXTRA EARLY

SURPRISE PEA

MAUD S.

Vaughan's Selected Extra Early; an excellent strain of a very fine variety. The vines are 20 to 26 inches high, the pods 2½ to 3 inches long, they hold 5 to 7 peas each. The delicious rich flavor and sweetness, the tender quality and smoothness, of Vaughan's Maud S. is well known to many satisfied growers and consumers. The seed is white, round and smooth, the crop ripens evenly and extra early, two most important points, viz.—first in the **market**; with your crop all harvested at once. **Pkt., 10c; pt. (about 1 lb.), 15c; qt. (about 2 lbs.), 25c; ½ pk., 75c; pk., $1.40; bu., $5.50.**

ALASKA, CALLED EARLIEST OF ALL

In season same as "Maud S." Alaska and "Maud S." are, in all but color, the same. Alaska seed is bluish in color; it is standard for market and canning, and Vaughan's strain is true to type and always gives the results in growth, which only the **best seed** can produce. Round seed peas do not rot in cold ground so easily as wrinkled peas do, hence earlier planting and harvesting are possible. If you plant Vaughan's strain of Alaska peas—you plant the **best** in growing quality. **Pkt., 10c; pt. (about 1 lb.), 15c; qt. (about 2 lbs.), 25c; ½ pk., 75c; pk., $1.40; bu., $5.50.**

EARLY AMEER

A rather old variety, which has lately become very popular with truckers in certain sections of the South. The peas are smooth and therefore can be planted early without rotting. The season is early, 2 or 3 days later than Alaska, and the pods are almost twice as large, and hence command a high market price. **Pkt., 10c; pt. (about 1 lb.), 15c; qt. (about 2 lbs.), 30c; ½ pk., 85c; pk., $1.65; bu., $6.50.**

VELOCITY

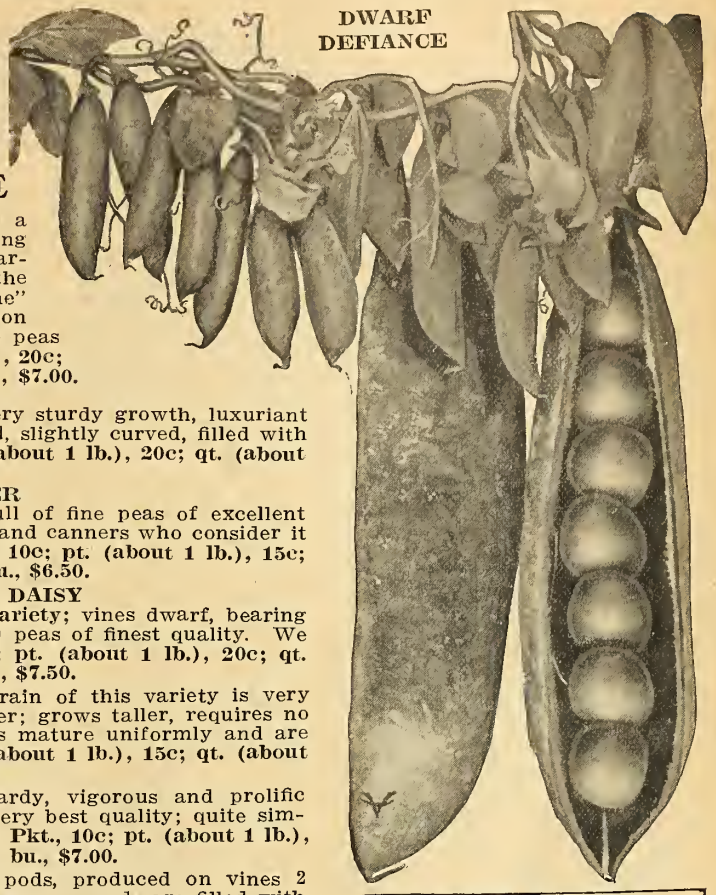
Similar to "Alaska," but with smaller vines and pods. Small round bluish seed of fair quality; a week **earlier** than Alaska—in fact the earliest pea at present. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., 90c; pk., $1.75; bu., $7.00.**

SURPRISE—The Earliest Pea of Quality

The earliest of **all sweet wrinkled peas.** In season two days later than Alaska. Being a wrinkled pea it cannot be planted in soil so cold as smooth peas, like Alaska or Maud S., because not so hardy. Vines grow 24 inches high and require no brushing; the pods are of good size and are produced in medium prolific quantity, and are filled with peas of choice quality, much like Nott's Excelsior in flavor and sweetness. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., 90c; pk., $1.75; bu., $7.00.**

ALASKA or EARLIEST OF ALL

DWARF PEAS



DWARF DEFIANCE

DWARF DEFIANCE
Immense Pods and Unsurpassed Quality.

CROP VARIETIES—NO BRUSHING REQUIRED

HEROINE

VAUGHAN'S DWARF DEFIANCE

Claims the attention of pea growers, because as a main crop variety, it has success and profit making qualities unsurpassed by any strain offered on the market. A splendid **mid-season** or **second early** sort; the pods are immense in size and fulness, like "Telephone" and have no superior in quality, will bear comparison with any tall sort. The pods are dark green, the peas sweet and rich flavored. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., 90c; pk., $1.75; bu., $7.00.**

HEROINE

A main crop dwarf pea extremely prolific, of very sturdy growth, luxuriant foliage, vines 2½ feet high. Pods are long-pointed, slightly curved, filled with sweet, luscious, rich flavored peas. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., 90c; pk., $1.75; bu., $7.00.**

McLEAN'S ADVANCER

Very productive vines 2½ feet high, pods full of fine peas of excellent quality, a great favorite with market gardeners and canners who consider it the best producer of the mid-early sorts. **Pkt., 10c; pt. (about 1 lb.), 15c; qt. (about 2 lbs.), 30c; ½ pk., 85c; pk., $1.65; bu., $6.50.**

DWARF TELEPHONE OR DAISY

A splendid dwarf pea, mid-season maturing variety; vines dwarf, bearing large, bright green pods, each containing 7 to 9 peas of finest quality. We offer a high class re-selected stock. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., $1.10; pk., $2.00; bu., $7.50.**

HORSFORD'S MARKET GARDEN. Our strain of this variety is very popular with growers. It is later than Advancer; grows taller, requires no brushing, and is a heavier producer. The pods mature uniformly and are filled with peas of fine quality. **Pkt., 10c; pt. (about 1 lb.), 15c; qt. (about 2 lbs.), 30c; ½ pk., 85c; pk., $1.65; bu., $6.50.**

JUNO. Main crop dwarf wrinkled pea, of hardy, vigorous and prolific growth. Long pods, each contain 7 to 9 peas of very best quality; quite similar to "Dwarf Champion" listed in other catalogs. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., 90c; pk., $1.75; bu., $7.00.**

IMPROVED STRATAGEM. Long dark green pods, produced on vines 2 feet high, of strong vigorous growth; matures mid-season; pods are filled with wrinkled peas of immense size, and delicious sweetness and flavor. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., 90c; pk., $1.75;bu., $7.00.**

TALL SORTS DO BEST WHEN BRUSHED

THOMAS LAXTON

GRADUS

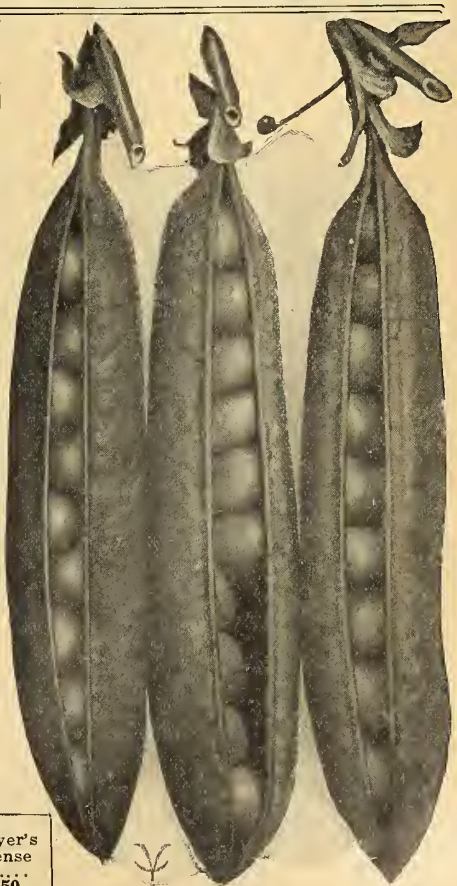
To eat Gradus Peas is to enjoy all the luscious sweetness and rich flavor, combined with melting tenderness of the finest butter you can imagine. Gradus is the **greatest of the wrinkled pea varieties**, it is large and handsome as well as delicious. A table luxury and delight which retains its attractiveness, beautiful color and fine appearance after being cooked. It is the most popular of all the **extra early wrinkled peas.** It is tender and should be planted in the warmest spot in the garden, it blooms forth and matures within two or three days after the small round extra early sorts. Vines 30 inches high, pods 4 inches long or more, beautiful green color, and 10 or more rich, plump, fine peas in each pod. **Pkt., 10c; pt. (about 1 lb.), 25c; qt. (about 2 lbs.), 45c; ½ pk., $1.25; pk., $2.25; bu., $9.00.**

THOMAS LAXTON

This is a product of the Gradus Strain, the season is identical with Gradus, the pods are square at the end and deeper green color than the parent strain. Vines are 3 to 3½ feet high and may be grown with or without brushing, the main qualities of Gradus are reproduced in this strain and it can be recommended with confidence for the home garden. A better yielder than Gradus. **Pkt., 10c; pt. (about 1 lb.), 25c; qt. (about 2 lbs.), 45c; ½ pk., $1.25; pk., $2.35; bu., $9.00.**

VAUGHAN'S NEW LATE GRADUS

This is a special Gradus pea bred to fill a special place and time. It comes in between the last of the Gradus and first of the Telephone; it possesses all the attractiveness and fine qualities of the earlier Gradus with the productiveness of the later sorts. The handsome appearance of this new variety secures for it ready sale at the best earlier sort prices, it is a most important introduction for market gardeners as well as for the home garden. **Pkt., 10c; pt. (about 1 lb.), 25c; qt. (about 2 lbs.), 45c; ½ pk., $1.35; pk., $2.50; bu., $9.50.**



GRADUS OR PROSPERITY

SUCCESSION OF DWARF PEAS.

Sutton's Excelsior, Dwarf Defiance. Heroine.

Planted at one time they will ripen successively.

No.		Postage Weight	At Buyer's Expense
1	1 pkt. each 25c	(prepaid)	....
2	1 pint each	3 lbs.	.50
3	1 quart each	6 lbs.	.95
4	½ peck each	....	2.75

VAUGHAN'S IMPROVED TELEPHONE

VAUGHAN'S

VAUGHAN'S IMPROVED TELEPHONE

Of the tall main crop varieties of peas we consider Vaughan's Improved Telephone the best sort for general purposes. In the home vegetable garden its heavy yields and excellent quality give it value, and also the fact that it does well even without bushing or support.

For the market gardener it has especial features—productiveness (there is no variety which bears a larger crop either of pods or peas)—uniformity of type—producing a crop maturing evenly and hence requiring few pickings—great, big pods which run alike in size and hold their appetizing dark green color, a color which presents a marketable appearance several days longer than the light podded peas.

Vaughan's Improved Telephone is a tall pea—growing four feet high, in season a main crop sort; the pods are dark green in color in favorable seasons they measure five inches and over in length and contain eight to nine large peas in a pod. **Pkt., 10c; pt. (about 1 lb), 20c; qt. (about 2 lbs.), 35c; ½ pk., 90c; pk., $1.75; bu., $7.00.**

CHAMPION OF ENGLAND

As a **late season tall pea** holds rank as the best; it is one of the old standard late varieties which, for quality, has not been surpassed. The vines grow about five feet high, are very vigorous and bear a big crop of good size pods completely filled with delicious peas of superb flavor and fineness. **Pkt., 10c; pt. (about 1 lb.), 15c; qt. (about 2 lbs.), 30c; ½ pk., 85c; pk., $1.65; bu., $6.50.**

PLANT FOR SUCCESSION.		Postage Weight	By Express at Buyer's Expense
GRADUS	1 pkt., each..25c (postpaid)	....	....
	1 pint, each	3 lbs.	.50
IMPROVED TELEPHONE	1 quart, each	6 lbs.	.95
CHAMPION OF ENGLAND	½ peck, each	....	2.75

QUITE CONTENT

A little later in season than Vaughan's "Improved Telephone;" the pods are exceptional in size, being 5 to 6 inches in length, so it is the largest podded pea. The vines grow 5 to 6 feet high, and should be brushed; they are long yielding, the peas are large and of fine flavor. A fine exhibition sort. **Pkt., 10c; pt. (about 1 lb.), 25c; qt. (about 2 lbs.), 45c; ½ pk., $1.25; pk., $2.35; bu., $9.00.**

BOSTON UNRIVALED. Of the **light colored tall** sorts, this is the highest type. A mid-season variety, large podded and very uniform, peas of good quality and delicious flavor. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., 90c; pk., $1.75; bu., $7.00.**

TELEPHONE. The pods are **light** instead **of dark** green color, and are quite as uniform as our improved varieties. **Pkt., 10c; pt. (about 1 lb.), 15c; qt. (about 2 lbs.), 30c; ½ pk., 85c; pk., $1.65; bu., $6.50.**

VAUGHAN'S PARSLEY

HANDSOMEST OF ALL VARIETIES

VAUGHAN'S XXX PARSLEY

VAUGHAN'S XXX PARSLEY

Beauty is of prime importance in a curled parsley, and in Vaughan's XXX we offer the most exquisite and perfect of all garnishing varieties. The delicate, tender leaves are tightly but daintily curled and the dark, rich green color lends a zest to a well laid table.

Vaughan's XXX grows very dwarf in habit and in the garden is really ornamental—some of our customers have used it as a neat and very pretty border plant. Its dwarf growth also makes it valuable for growing in the hot bed, green house, or in pots in the winter time—using but a minimum space. The flavor is piquant and pleasing.

Vaughan's XXX parsley was chosen from many trials and after a careful inspection trip through the seed growing sections of Europe—as by far the handsomest and best colored parsley yet introduced.

Pkt., 10c; 2 pkts., 15c; oz., 20c; ¼ lb., 50c; lb., $1.60.

CHAMPION MOSS CURLED. In England this is a prize winning variety. Robust, compact plants are quickly produced, the leaves being so crumpled and curled they have the appearance of curled moss; the color is rich green, the plant is quite hardy, slow to run to seed and may be grown in pots or window boxes. As a parsley for garnishing dishes, and for flavoring purposes, it is held in high favor by many, because of its pretty leaves and aromatic flavor. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.10.**

DOUBLE CURLED. A very fine dwarf, handsome green, curled variety. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.10.**

FERN-LEAVED. Leaves so nicely and delicately cut as to resemble the frond of a fern. Good green color and nice flavor. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.10.**

PLAIN. The leaves are not curled, however, the flavor is excellent and plant is very hardy. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.10.**

HAMBURG ROOTED or GERMAN PARSLEY. The root resembles a small parsnip and is the edible part of this sort; used for flavoring soups. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.10.**

GROW GLADIOLUS FOR CUT FLOWERS

Our Mr. Vaughan found in England, near London, two years ago, an increasing tendency to sell flowers with vegetables. The same markets that dispose of all garden truck were selling beautiful flowers of Lilies, Dahlias and Gadioli. It is also true that here in this country as well, many market gardeners are growing Gladiolus flowers, disposing of them at summer homes for good prices. The availability of Gladiolus Bulbs for this purpose is marked. The bulbs aready contain the young flower stalks and flower in 8 to 10 weeks from planting. We have raised on our own farms many thousands of the best selling kinds of these flowers and offer them cheaper than they have been previously sold. See pages 106, 107 and 108.

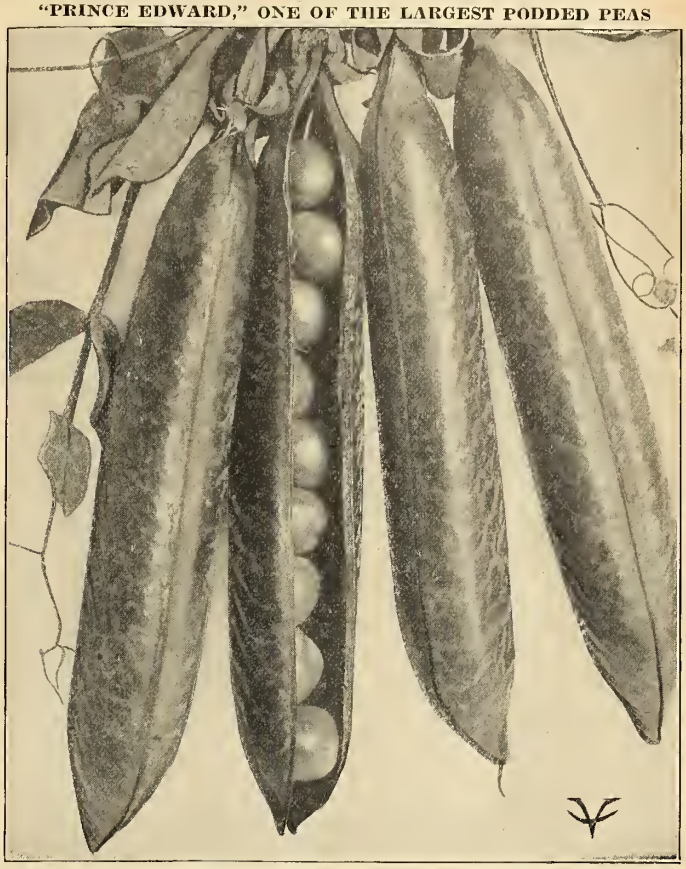
I have added Gladiolus bulbs, grown for cut flowers, to my truck garden and with good profit. I have sold from 1,500 doz. to 2,000 doz. per year at substantial prices.
T. W. WHITE, Red Bank, N. J.

TALL GROWING PEAS

A New Era in Dwarf Peas. See Novelty Page.

PRINCE EDWARD

"PRINCE EDWARD," ONE OF THE LARGEST PODDED PEAS



This is an English strain of the Telephone type, selected and bred especially for size of the pods, which are so large, they are truly magnificent—see illustration. For exhibition purposes this variety is a splendid one; but large size and good quality are blended in this strain, the peas have fine grain and splendid flavor. The vines bear heavy crops. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., 90c; pk., $1.75; bu., $7.00.**

ALDERMAN. This mid-season pea is tall growing, of English origin, and a few days later than Vaughan's "Improved Telephone." The pods are very large, straight and dark green color. The vines are exceedingly vigorous and immensely prolific, the peas are of the best quality. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., 90c; pk., $1.75; bu., $7.00.**

LONG ISLAND MAMMOTH. Known also as Telegraph. Later than Telephone, of which it is regarded as a strain, with smooth seeds. The pods are not so large nor the peas of as good quality, but the vine is hardier than Telephone. **Pkt., 10c; pt. (about 1 lb.), 15c; qt. (about 2 lbs.), 30c; ½ pk., 85c; pk., $1.65; bu., $6.50.**

EVERBEARING. For late summer and autumn; very prolific variety. Pods about 3 inches long, with large peas of good quality. **Pkt., 10c; pint (about 1 lb.), 15c; qt. (about 2 lbs.), 30c; ½ pk., 85c; pk., $1.65; bu., $6.50.**

YORKSHIRE HERO. An old standard variety; vines medium tall produce a crop of fine, broad, well filled pods. The peas are wrinkled, sweet, large and remain in good condition for eating a long time. A great favorite on the Pacific Coast. **Pkt., 10c; pt. (about 1 lb.), 15c; qt. (about 2 lbs.), 30c; ½ pk., 85c; pk., $1.65; bu., $6.50.**

BLACK EYE MARROWFAT (Late). A great yielder of ordinary quality peas. **Pkt., 10c; pt. (about 1 lb.), 15c; qt. (about 2 lbs.), 25c; ½ pk., 75c; pk., $1.40; bu., $5.00.**

WHITE MARROWFAT. Similar to Black Eye. Popular heavy yielder. **Pkt., 10c; pt. (about 1 lb.), 15c; qt. (about 2 lbs.), 25c; ½ pk., 75c; pk., $1.40; bu., $5.50.**

EDIBLE POD PEAS

DWARF GRAY SUGAR. 15 to 18 inches high; pods purple; large and eaten like string beans. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., $1.25; pk., $2.25.**

LUSCIOUS SUGAR. Tall growing strain of above. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 35c; ½ pk., $1.15; pk., $2.00.**

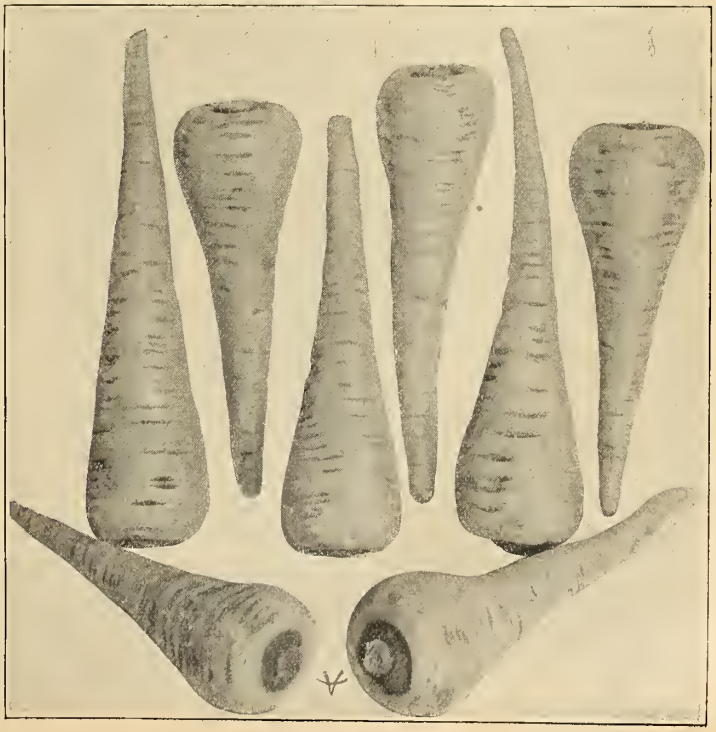
MAMMOTH PODDED SUGAR. A late, large sugar pod pea. Vines 4 to 5 feet high. The best quality sugar peas. Pods 5 to 6 inches long, thick and fleshy. A delightful dish, cooked as string beans. **Pkt., 10c; pt. (about 1 lb.), 20c; qt. (about 2 lbs.), 40c; ½ pk., $1.25; pk., $2.25.**

VAUGHAN'S PARSNIPS

Parsnip seed usually comes unevenly. Should be sown as early as possible in spring. Cover one-half inch deep and roll.

VAUGHAN'S MARROWFAT PARSNIP

HANDSOMEST AND BEST—VAUGHAN'S MARROWFAT.



The illustration on this page, of Vaughan's famous Marrowfat parsnip, gives a good idea of the fine shape, uniform good size, clean, smooth skin and general handsome appearance, of this most popular, best flavored parsnip. This variety is superior in richness of flavor to all others when cooked. It is a winner at exhibitions. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**

Parsnips are a valuable stock food as well as a table dish.

MAGNUM BONUM. A greatly improved strain of "Hollow Crown" parsnip. As a money maker for market men we recommend it; it is a heavy cropper, the roots are smooth but not so long, though somewhat thicker than the original, which makes them easier to harvest. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

HOLLOW CROWN, LONG SMOOTH. (Abbott's Improved). Smooth, large, tender and sugary; one of the best. Our stock is very fine. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

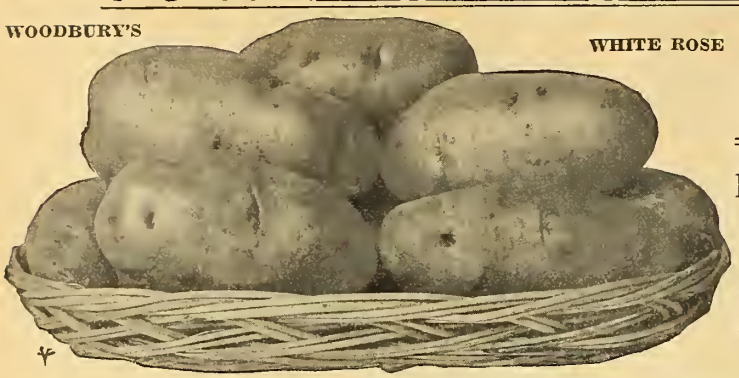
IMPROVED GUERNSEY. An improvement over the parent, "Hollow Crown," than which it is much larger in diameter, but not so long, the roots are more easily gathered. This sort gives general satisfaction, having good quality. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

VAUGHAN'S NEW INTERMEDIATE. This new sort does not require the depth of soil for its cultivation that is necessary for the older varieties. Although equal in quality and flavor to the old sorts the roots of this variety are only one-half to two-thirds as long when grown under ordinary conditions. On heavy or clay soils Intermediate is especially valuable. During the past few years of drought, the Intermediate, of all varieties, yielded the heaviest, made the best looking roots, and was the easiest to harvest. **Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 80c.**

Nov. 16, 1915.

"I would like to take this opportunity of expressing my appreciation of the uniformly high quality of the Vegetable Seeds which I have received from you. The Pumpkins developed to be of unusual quality and size."

HELEN INGERSOLL,
New York City, N. Y.



VAUGHAN'S

EARLY AND MAIN CROP VARIETIES

Vaughan's Early Seed Potatoes have for over thirty years been the standard of quality. Vaughan's Improved Red River Grown Ohio has been for years and is now the best first early. The last few seasons have been unfavorable for first early potato crops, and there has been an increasing demand for second early and medium season varieties which outyield the first earlies, but still command the high early market prices.

Wet weather and disease have shortened the 1915 Potato

VAUGHAN'S WOODBURY'S WHITE ROSE

Is an early potato of such merit that it should appeal to every grower who aims to supply an early market, and make money for his work. "Woodbury's White Rose" is a seedling from "Early Rose," to which it is superior in quality. It is not a round but rather kidney shaped pure white potato, not too long but finely shaped, has shallow eyes, which makes peeling easy and with less waste. The vine is vigorous and a good resister of early blight, the yield is double that of other early varieties; its pure white skin and flesh, elegant appearance and big yield, together with other fine qualities, offers opportunities that are worthy of attention. On light soil this variety is particularly good. **½ peck, 40c; peck, 70c; ½ bu., $1.00; bu., $1.85; sack (165 lbs.), $4.80; bbl., $5.00; 10 bu., $17.00.**

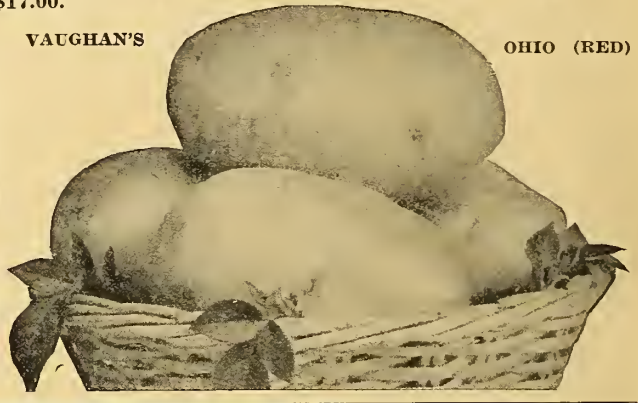
VAUGHAN'S IMPROVED EARLY OHIO (RED)

Is a week to 10 days earlier than other strains of the same variety. The reason for this is not only in the great care with which our seed is selected, grown and housed, but it is produced under conditions which are the most favorable—in the Red River Valley of Ohio, the natural home for high-class potato seed. This standard variety is well known to growers, who find it superior to other strains.

In the middle west Vaughan's seed produces earlier and better yields than native seed, no matter how carefully selected. It is the favorite of large market growers. **½ pk., 35c; pk., 65c; bu., $1.75; sack (165 lbs.), $4.50; bbl., $4.70; 10 bu., $16.00.**

BLISS OR RED TRIUMPH. For more than a decade this has been the standard early Potato in the South. It is a round reddish skinned Potato; rather deep eyes and of medium size. As they appear early in the spring on the Northern market they are very attractive and, of course, command a large premium over the old stock. **½ pk., 40c; pk., 70c; bu., $1.85; sack (165 lbs.), $4.80; bbl., $5.00.**

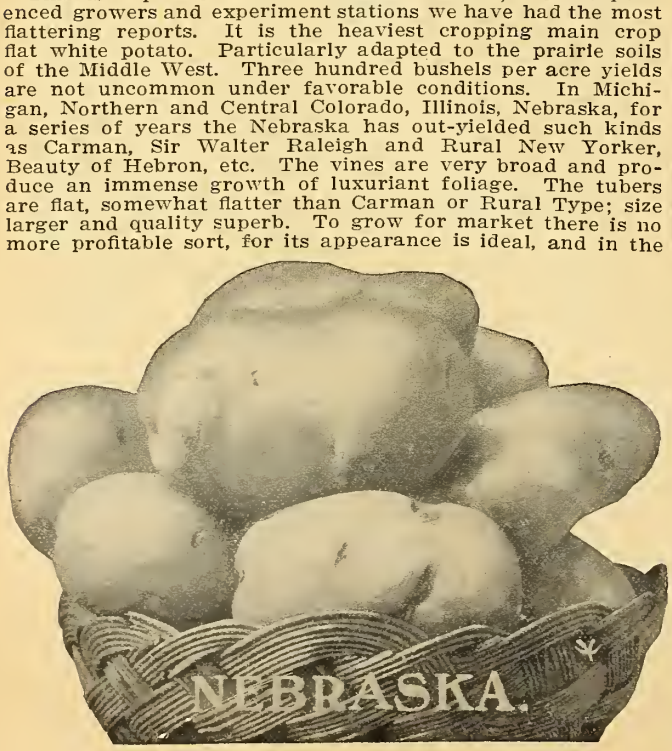
VAUGHAN'S WHITE OHIO. This is the most popular first early white potato. A sport from Red Ohio and very similar to that sort, except in color. An excellent sort for the home garden. **½ pk., 40c; pk., 70c; ½ bu., $1.00; bu., $1.85; sack (165 lbs.), $4.80; bbl., $5.00.**



VAUGHAN'S MAIN CROP VARIETIES

NEBRASKA—The Best of all Rural Type Potatoes

This is a potato with an excellent record; from experienced growers and experiment stations we have had the most flattering reports. It is the heaviest cropping main crop flat white potato. Particularly adapted to the prairie soils of the Middle West. Three hundred bushels per acre yields are not uncommon under favorable conditions. In Michigan, Northern and Central Colorado, Illinois, Nebraska, for a series of years the Nebraska has out-yielded such kinds as Carman, Sir Walter Raleigh and Rural New Yorker, Beauty of Hebron, etc. The vines are very broad and produce an immense growth of luxuriant foliage. The tubers are flat, somewhat flatter than Carman or Rural Type; size larger and quality superb. To grow for market there is no more profitable sort, for its appearance is ideal, and in the home garden its high quality meets the demands of the most critical. **½ pk., 35c; pk., 65c; bu., $1.70; sack (165 lbs), $4.50; bbl., $4.70; 10 bu., $15.50.**



OTHER RURAL TYPES

CARMAN NO. 3. One of the most popular of the Carman group of potatoes. A white, flat variety, which sets its tubers very close to the top of the soil, thus giving good yields in clay soil where other varieties fail. This characteristic applies also to Rural New Yorker and Sir Walter Raleigh. Carman No. 3 grows to the largest size of these sorts. Our seed has been very carefully selected and given the best soil for a number of years. **½ pk., 35c; pk., 60c; bu., $1.65; sack (165 lbs.), $4.40; 10 bu., $15.00.**

RURAL NEW YORKER NO. 2. The standard white market potato. It is very large, usually smooth, oblong inclining to round, and rather flattened. Skin and flesh white; quality excellent; season intermediate. Tubers of great uniformity in size; almost every one marketable. Known everywhere as "Dusty" Rural. **½ pk., 35c; pk., 60c; bu., $1.65; sack (165 libs.), $4.40; 10 bu., $15.00.**

SIR WALTER RALEIGH. An A1 late potato. A seedling of Mr. Carman's, whose work on potatoes has become famous. This is an improved Rural New Yorker No. 2. Yields almost all marketable sized potatoes, which are a little earlier and of better quality than Rural. (Read our description of Rural.) Exceedingly fine grained and white fleshed, equaling the old Snowflake quality. **½ pk., 35c; pk., 60c; bu., $1.65; sack (165 lbs.), $4.40; bbl., $4.60; 10 bu., $15.00.**

GREEN MOUNTAIN. After careful trials we list this as the most desirable of the cylindrical potatoes. It is especially suited for loose soils or muck land. As the tubers set rather deep—this habit is detrimental on heavy or clay lands where the crop is liable to run undersized. On loam the tubers run uniformly large and slightly irregular in shape. Green Mountain is a hard potato to beat for eating quality; they cook dry and mealy with a particularly fine flavor. Under favorable conditions this is an immense yielder; the tops are large and branching with light green leaves and white blossoms entirely distinct from the Rural Type varieties. **½ pk., 35c; pk., 65c; bu., $1.70; sack (165 lbs.), $4.50; bbl., $4.70; 10 bu., $15.50.**

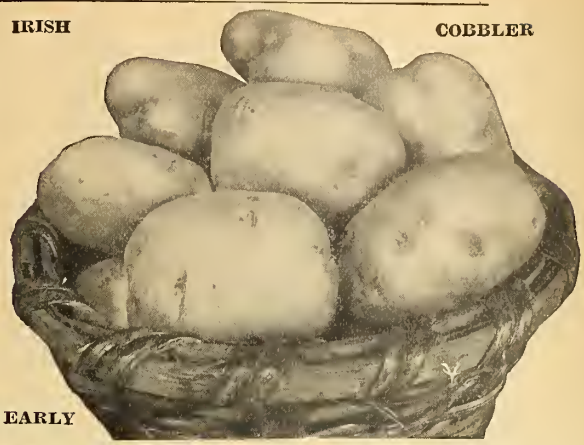
POTATOES

GROWN IN THE FAR NORTH

We are able to offer three valuable sorts in this class—Irish Cobbler, first introduced in the West by Vaughan's Seed Store, which in some sections ripens almost along with Early Ohio; Vaughan's Dearborn, also our introduction, a very early round sort and a tremendous yielder, and Woodbury's White Rose, our introduction, a very heavy yielding second early, ripening in the order named. No grower of early potatoes will go wrong in trying any one of these sorts.

Our prices are f. o. b. Chicago, purchaser to pay transportation charges. Add 50c per sack and 20c per bushel if shipped from New York.

crop. Good Seed is scarce.



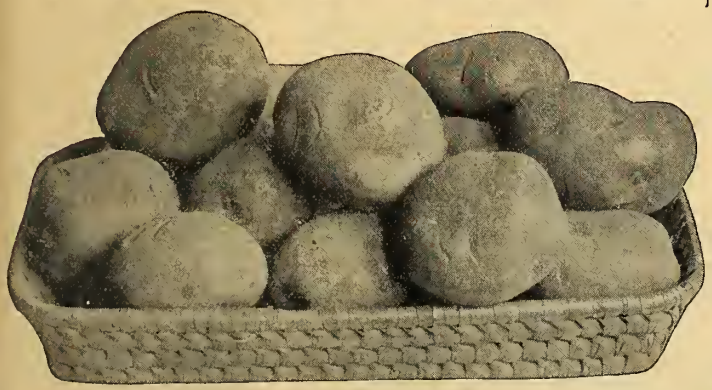
IRISH COBBLER

IRISH COBBLER

A HEAVY CROPPING EARLY

Is a grand early potato of medium large size, and in light soil does its best for earliness, in which it matures almost as early as the smaller cropping Earlies. The demand for more early potatoes makes a virtue of the necessity to plant varieties that yield bigger crops than the Earlies which yield small crops. Irish Cobbler, although not so fine-grained in flesh as some other sorts described here, yet it is always a very popular seller. Its size, shape, good quality and elegant appearance have given it a very wide popularity and it usually secures a better price, side by side with standard earlies. To our customers who find it necessary to cater to a growing demand for more Early potatoes we commend this sort as a money maker and trade winner. Our seed is grown in Red River Valley, Ohio, and is superior to other strains grown elsewhere.

½ pk., 35c; pk., 65c; bu., $1.75; sack (165 lbs.), $4.50; bbl., $4.70; 10 bu., $16.00.



POTATO, VAUGHAN'S DEARBORN

The Best Early Since Irish Cobbler

This grand second early, matures only a few days later than Irish Cobbler and yields from fifteen to twenty-five per cent heavier. The potato grower who plants Dearborn harvests late potato crops and sells at the high early market price. The tubers are round, slightly flattened, but a chunky appearance somewhat like Cobbler. The skin is netted—a sure indication of high eating quality, and resistance of scab. The vine is vigorous and healthy. We are positive this sort will become one of the favorite early sorts.

½ pk., 40c; pk., 70c; ½ bu., $1.10; bu., $2.00; sack, $5.25; bbl., $5.45; 10 bu., $18.00.

VIGOROUS GROWTH--TRUE TO TYPE

RUSSET RURAL OR PETOSKEY POTATO

A superb variety of recent introduction and considered by the raiser to be away ahead of any other late potato. Remarkable on account of its freedom from disease. This variety has been carefully tested side by side with other late sorts and the results of the trials serve to strengthen our high opinion of its merits.

Russet Rural is not only an excellnt yielder but takes the lead in all directions.

It possesses an attractive russet skin and the tubers, which are white, are very regular in size and unsurpassed for the excellence of their cooking qualities.

When dished up the long tubers present a delightful appearance by reason of their suberb whiteness. There is practically no waste in peeling as the eyes are almost on the surface of the potato. The tubers are uniform in size and each plant yields above the average of salable potatoes.

½ pk., 35c; pk., 65c; bu., $1.70; sack (165 lbs.), $4.50; bbl., $4.70; 10 bu., $15.00.

VAUGHAN'S KEYSTONE. A fine quality very white main crop potato. **count of the wet season we are unable to offer this year.**

SWEET POTATOES

GROWN ESPECIALLY FOR SEED

We are prepared to furnish in quantity the best Sweet Potatoes that can be had for seed purposes being especially grown and selected for this purpose. We inspect carefully before shipment and forward nothing but sound Potatoes.

	¼ bu.	bu. boxed	bbl.
Yellow Jersey, Yellow Nansemond, Early Carolina, Red Jersey	$0.75	$2.00	$5.00
Red Nansemond, Red Bermuda	1.00	3.00	6.00

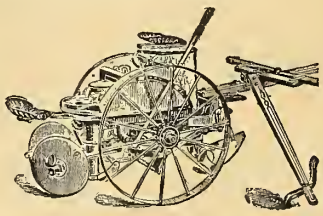
Sweet Potato Culture, by James Fitz, postpaid for 50c.

SPECIAL POTATO FERTILIZER

This must be quick, lasting and promote healthy, firm growth of tubers. **Vaughan's Fruit and Root Crop Manure** will do this. See Fertilizer Page 149.

IRON AGE POTATO MACHINERY

We take pleasure in recommending to our customers the "Iron Age" Potato tools as we know they will give unqualified satisfaction. We can supply the Planter, Sprayer and Digger, and as our space here is too limited to give detailed description, we will mail illustrated catalogue on application which will give full details.



Iron Age Potato Planter 400L, with Fertilizer Distributer and Shield Plow $108.00

Iron Age Potato Planter 400, without Fertilizer Distributer and Shield Plow $90.00

Iron Age Potato Digger No. 125.....$95.00

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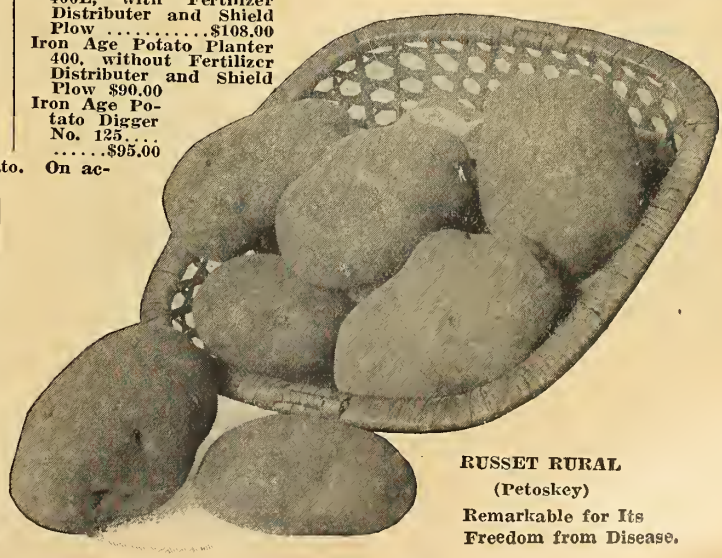
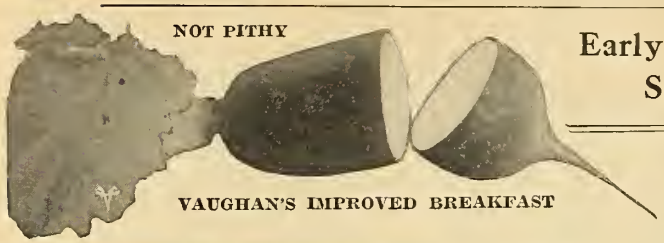


RUSSET RURAL (Petoskey) Remarkable for Its Freedom from Disease.



VAUGHAN'S IMPROVED BREAKFAST

Early Sorts

VAUGHAN'S

VARIETIES—Vaughan's Seed Store lists on these two pages a complete line of the really high class varieties, both as regards appearance and quality. Our forcing and early sorts are from the foremost European growers who surpass in producing this type with short tops and quick growth. Some of these kinds are very short, due to poor harvest conditions and labor scarcity on the continent.

VAUGHAN'S SELECT SCARLET GLOBE

EARLY SCARLET GLOBE (F)

For greenhouse or hot-bed forcing and for out-of-doors. Very early, mild, crisp and tender, one of the most attractive, best selling radishes. It is very handsome, rich, bright scarlet color, thoroughly sound and of fine quality, it is a great favorite; it resists heat without becoming pithy, and is ready in twenty-five days. This sort is not desirable for hot summer planting as it loses its shape—it is an early radish and as such gives entire satisfaction.

Vaughan's Scarlet Globe Radish should be planted in every garden, for market as well as for home use—plantings for home use should be made every ten days.

Our stock is the very best, selected with greatest care for size, shape, color and earliness; market gardeners find it a big money-maker. Vaughan's Selected Stock—Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., 90c; 5 lbs., $3.75; 10 lbs., $7.50.

IMPROVED BREAKFAST

Scarlet Globe Regular: Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

EARLIEST CARMINE TURNIP (F)

The best and quickest all red turnip shaped radish. Matures in about three weeks. Splendid for forcing under glass, is crisp, tender and sweet. Skin is a deep crimson red, leaves are very short; for the home garden this is one of the best varieties for out-door planting. **Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 80c.**

EARLIEST WHITE TURNIP (F)

Fine for forcing or open ground. Short top, very thin tap root. The earliest white turnip shaped radish; excellent flavor. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.**

TRIUMPH. A useful sort, skin handsomely striped and mottled scarlet and white, very attractive, very early, short top, good quality. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

VAUGHAN'S CARDINAL FORCING

The handsomest forcing globe radish, splendid to market. The shape, is more even than Scarlet Globe, the color is a richer dark red, it is larger and ready to market 3 days earlier. Flesh is firm, quality finest. Best for early home garden sowing. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

EARLY SCARLET GLOBE. White Tip. Best and quickest of the White Tips. Fine quality. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

VAUGHAN'S ALL SEASONS. May be sown from Spring to Autumn and used at all stages. Round, scarlet. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.**

"CRIMSON GIANT" (F)

For forcing or outdoor planting. A new type, more than double the size of other forcing varieties; and does not get pithy or hollow. It is very early, although it is so large, the skin is crimson red, flesh pure white, crisp, sweet, tender. Sow seed thinly to allow root development. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

BRIGHTEST LONG SCARLET

An excellent sort for the home garden, a combination of beauty and quality. Brightest scarlet color upper part and pure white long tips, the handsomest long red radish on the market, and the best seller. Twenty-five days after planting it is usually ready for the table. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c.**

LONG SCARLET SHORT TOP

A standard variety of long red radishes, straight and smooth; grows partly above ground, develops long roots that are tender, crisp and sweet. Fine for the home garden.
Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

WOOD'S EARLY FRAME. This is an early forcing strain of the long scarlet, short top, selected especially for growing under glass for use in frames. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.**

HALF LONG DEEP SCARLET. A half long deep scarlet radish; is grown much in the south for early shipment; is also good for forcing; in quality it is brittle and juicy. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**

Don't Sow Winter Sorts Until Late June.

LONG AND

VAUGHAN'S MARKET. The best early half long white radish, tender, delicate, brittle and fine flavored, resembling the Strassburg in size, but quicker growth. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**

CINCINNATI MARKET. A long red radish, white tip, short top. A standard in some parts of the South. Good quality. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

SUMMER RADISHES

Grow larger than early radishes and remain in good condition longer.
IMPROVED CHARTIER. Somewhat resembling brightest scarlet—early radish. It is double the size and later; long scarlet and tipped with white. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**
LONG WHITE VIENNA. Snow white, very brittle and crisp. A long, handsome radish. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.**
WHITE STRASSBURG. Of somewhat larger size and thicker than Vienna. Very solid. An excellent market variety. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**
STUTTGART. A turnip shaped, large white radish. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.**

WINTER RADISHES

Do not sow these until the latter part of June.

THE MUNICH. The German favorite. The radishes are white and grow from 6 to 8 inches in length; are broad at the shoulder, have a white thin skin; grow thickly; have mild and delicious flavor.
Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.
Each of the following: Pkt., 5c; oz., 10c, except where noted.

	¼ lb.	lb.
CALIFORNIA MAMMOTH WINTER. Long, very large size.	$0.25	$0.75
ROSE OR SCARLET CHINA. Rose color, medium size, fine keeper	.25	.70
CHINESE MAMMOTH OR CELESTIAL. The best of all very large white radishes. Immense size and the flesh always crisp and mild	.25	.70
BLACK SPANISH LONG. Black skin and white flesh	.25	.75
BLACK SPANISH ROUND. Similar to Long Black, except in shape	.25	.75
HALF LONG BLACK WINTER	.25	.80
LONG WHITE SPANISH. Like Long Black, except color	.20	.75

RAT TAILED RADISH. Seed pods edible. **Pkt., 5c; oz., 30c.**

RADISHES

Oval Varieties

(F) INDICATES FORCING SORTS

VAUGHAN'S 20 DAY

NOT PITHY

For the home garden Early Scarlet Globe Select Stock, Cardinal Forcing, Giant Butter or Crimson Giant are good kinds for the first planting; Icicle, Scarlet Turnip, White Tip Sparkler, Long Scarlet for main crop and the first of July sow the winter sorts. Quick growth is essential to quality in Radishes and an application of commercial fertilizer is always beneficial. See fertilizers, page 149.

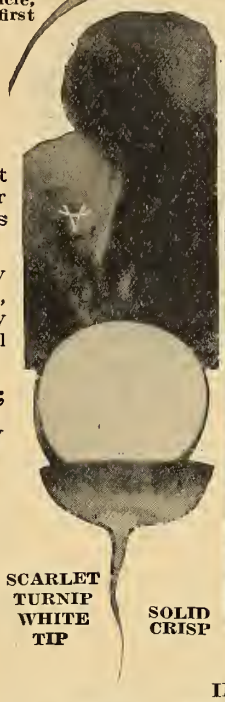
SCARLET TURNIP WHITE TIP

VAUGHAN'S SELECTED STOCK

Many thousands of pounds of seed of this variety are bought from us every year by the most critical market gardeners. Their success proves the satisfactory quality and popularity of this dainty, crisp and tender radish.

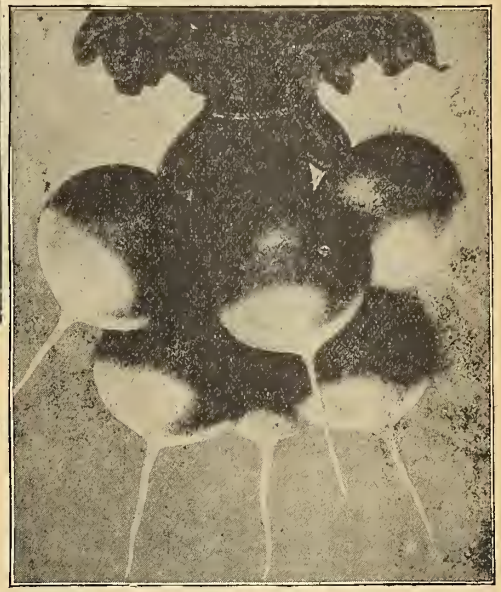
This strain is for out-door planting, our seed is carefully grown from transplanted roots. This radish is turnip-shaped, bright scarlet color, with a white tip; very handsome, and very popular because it is very good and appeals to the palate as well as to the eye.

Vaughan's "Sparkler Strain": Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.



SCARLET TURNIP WHITE TIP

SOLID CRISP



SCARLET TURNIP WHITE TIP

EXTRA EARLY OLIVE SHAPED

VAUGHAN'S 20-DAY

The quickest of all red radishes, matures in 20 days after sowing. The skin is a most attractive bright scarlet, the flesh pure white, sweet, tender, crisp and pleasant. The leaves are very short, which admits of close planting. Fine for outdoors and forcing. **Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 30c; lb., $1.00.**

EARLIEST WHITE OLIVE. (F.) This is not only the earliest White Radish, but the earliest of any color; good sized radishes having been pulled in from 15 to 18 days after sowing. The radishes are pure white, oblong and tender. The tops are small, which means a good forcer and admits of close planting. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

VAUGHAN'S 20 DAY

IMPROVED BREAKFAST

An excellent radish that is early. About 2 inches long, round, slender, tap root, deep red skin, with white tip, pure white flesh that is crisp, tender and sweet; sound and solid. One of the best for home use. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.**

Any of the Following, Pkt., 5c; oz., 10c.	¼ lb.	lb.
OLIVE SHAPED DEEP SCARLET. Similar to Vaughan's 20-day	$0.25	$0.80
OVAL YELLOW MAY. A new sort, fine quality	.20	.70
FRENCH BREAKFAST. Quick and handsome	.20	.70
MIXTURE. Turnip and olive shaped varieties	.20	.60

OTHER KINDS

	pkt.	oz.	¼ lb.	lb.
NON PLUS ULTRA. (F.) Scarlet turnip shaped, good forcer	.05	.10	.25	.75
EARLY DEEP SCARLET TURNIP. An old standby	.05	.10	.25	.80
YELLOW TURNIP. (A summer variety)	.05	.10	.20	.70
GOLDEN YELLOW SUMMER TURNIP. Smooth, fine skin	.05	.10	.20	.70

OTHER SORTS

See Radish Novelties for Vaughan's Olive Crystal.

ICICLE RADISH

ICICLE—The Finest White Radish

Long, slender, pure white roots, and they remain mild and crisp until they grow large; they mature early, and have short tops, which permits close planting and forcing. Regarded by many of our customers as the finest radish they have ever grown. Plant every ten days for succession. It is mild, crisp and white. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.**

NEW FORCING RADISH GIANT BUTTER. The largest early turnip forcing radish.

RADISH SAKURAJIMA. Produces radishes of great weight. See Novelty page.

RAMPION—A New Salad

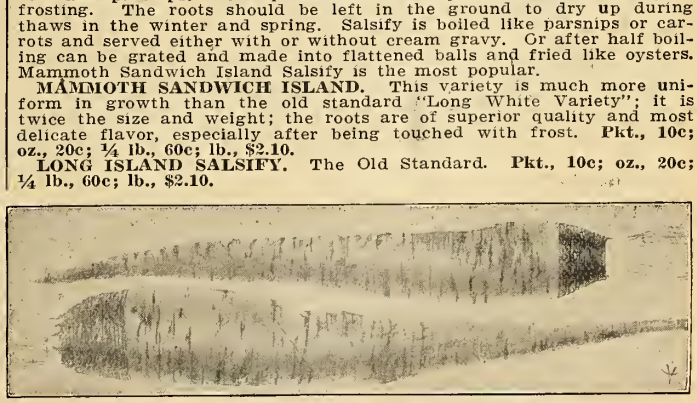
Both the roots and leaves make a delicious salad. **Pkt., 10c; ½ oz., 15c; oz., 30c; 2 oz., 55c.**

SALSIFY, OR OYSTER PLANT

Though not as generally grown as it should be, this is when cooked a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. The roots should be left in the ground to dry up during thaws in the winter and spring. Salsify is boiled like parsnips or carrots and served either with or without cream gravy. Or after half boiling can be grated and made into flattened balls and fried like oysters. Mammoth Sandwich Island Salsify is the most popular.

MAMMOTH SANDWICH ISLAND. This variety is much more uniform in growth than the old standard "Long White Variety"; it is twice the size and weight; the roots are of superior quality and most delicate flavor, especially after being touched with frost. **Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.10.**

LONG ISLAND SALSIFY. The Old Standard. **Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.10.**



SALSIFY, MAMMOTH SANDWICH ISLAND

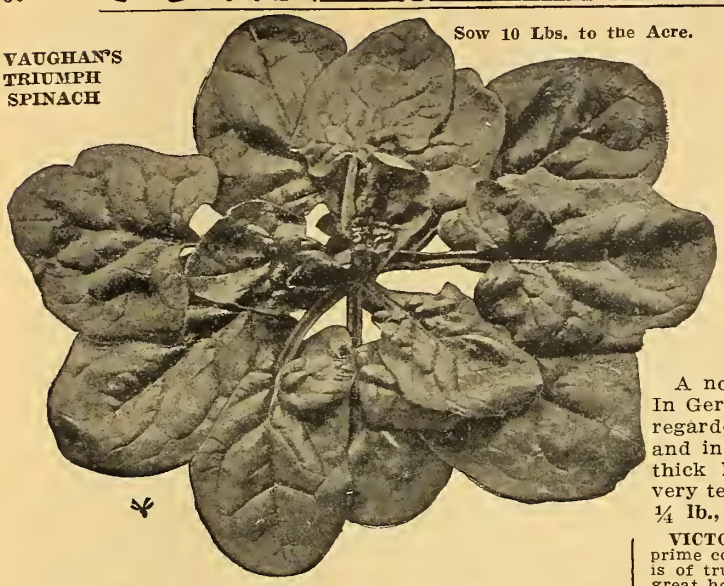
SCORZONERA OR BLACK SALSIFY

SCORZONERA, OR BLACK SALSIFY. Considered by many better than white salsify. Somewhat harder to raise, although cultivated in the same way. **Pkt., 5c; oz., 15c; ¼ lb., 45c.**

IMPROVED LONG BLACK (BLACK SALSIFY). This variety may be planted in the late spring, earlier than black salsify, without running to seed, the longer season thus permitting a considerable larger growth of root. **Pkt., 10c; oz., 20c.**

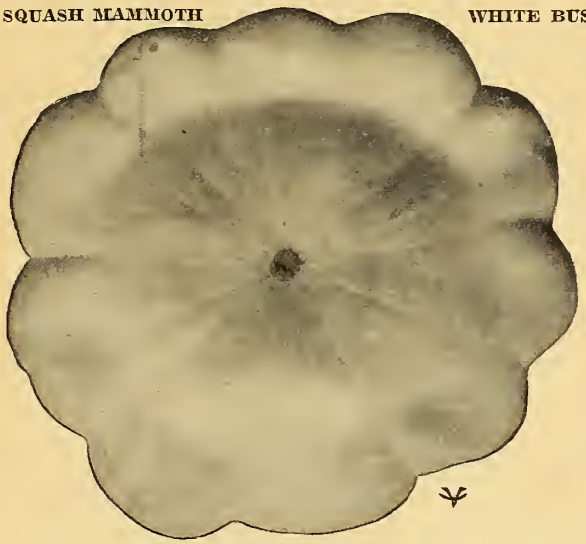
VAUGHAN'S TRIUMPH SPINACH

Sow 10 Lbs. to the Acre.



VAUGHAN'S NORFOLK SAVOY. This variety is a very hardy, good size Standard Spinach. The leaves are very thick and blistered, and this, together with its hardness, makes it a splendid shipping sort. It is a great favorite with Southern Truckers. Our strain is carefully grown; the largest and most successful growers in the country buy Vaughan's Strain. This sort is identical with Bloomsdale. **Oz., 5c; ¼ lb., 15c; lb., 35c; 5 lbs., $1.60; 10 lbs., $3.00.**

SQUASH MAMMOTH WHITE BUSH



BUSH FORDHOOK. A new bush type of the original Fordhook, unequaled in quality and delicious sweetness by any variety whether for summer or winter use. The young tender fruits are prepared and cooked like other summer squashes; or when stored before frost in a warm dry place furnish winter squash for table use until the new crop is ready. **Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., $1.00.**

FORDHOOK. Ripens early and is one of the best keepers we know of. Can be kept all through the winter until June. Is very prolific, and nearly bug and borer proof. **Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., $1.00.**

SUMMER CROOKNECK

The old standard variety, very prolific, but smaller than "Giant Summer," a fine squash. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

VAUGHAN'S STRAIGHTNECK

A straightneck selection from the Summer Crookneck. Desirable for shipping. **Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., $1.00.**

VEGETABLE MARROW

This is a most important vegetable in the English market but little known in this country. The fruit is generally eaten when less than half grown, as the flesh is then very tender and marrowy, and should always be used in a young state. Our packages contain cultural directions and recipes for cooking. **Pkt., 10c; oz., 15c; 2 ozs., 25c.**

VAUGHAN'S

VAUGHAN'S TRIUMPH

Is very compact but prostrate, rather than upright in habit of growth. This new spinach withstands hot weather longer than other kinds; by its use the season may be lengthened a month. This plant is smaller, but does not wilt or run to seed as quickly as other sorts. The leaves are thick, warted, tender and fine when cooked. **Oz., 5c; ¼ lb., 20c; lb., 35c; 5 lbs., $1.60; 10 lbs., $3.00.**

VAUGHAN'S GIANT FILL-BASKET

A novelty in greens, produced by the careful culture of an expert. In Germany where Spinach is in great demand always, Fill-Basket is regarded as the best spinach ever produced. With our customers and in our trial grounds it has given phenomenal results. Its broad thick leaves are produced in remarkable abundance. Cooked it is very tender and well flavored and can be cut early. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.**

VICTORIA. A standard, and, excepting "Vaughan's Triumph," remains in prime condition two to three weeks after all other varieties have run to seed. It is of true Savoy type, dense foliage, broad, dark green leaves of best quality; a great heat resister.
Oz., 5c; ¼ lb., 15c; lb., 35c; 5 lbs., $1.60; 10 lbs., $3.00.

EXTRA LARGE ROUND LEAF. Large crumpled leaves. **Oz., 5c; ¼ lb., 15c; lb., 35c; 5 lbs., $1.60; 10 lbs., $3.00.**

PRICKLY SEEDED. Very hardy; sow in fall. **Oz., 5c; ¼ lb., 15c; lb., 35c; 5 lbs., $1.60; 10 lbs., $3.00.**

BLOOMSDALE. Identical with Vaughan's Norfolk Savoy—**Oz., 5c; ¼ lb., 15c; lb., 30c; 5 lbs., $1.00; 10 lbs., $1.85.**

LONG STANDING. Slow to seed. **Oz., 5c; ¼ lb., 15c; lb., 35c; 5 lbs., $1.60; 10 lbs., $3.00.**

MONSTROUS-LEAVED VIROFLAY. Quick, strong growth; much used by New York truckers. **Oz., 5c; ¼ lb., 15c; lb., 35c; 5 lbs., $1.60; 10 lbs., $3.00.**

NEW ZEALAND. Suited to dry arid localities where other varieties do badly. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.**

Spinach Seed is a very short crop this year.

SUMMER SQUASH

MAMMOTH WHITE BUSH—Patty Pan

The old Early White Bush Scallop has long been the favorite early summer squash. Mammoth White Bush is an improved selection a few days later; it is considerably larger and deeper, has less scallops, saving waste, and is a heavier producer. Peeled and sliced, then fried like egg plant, this squash makes a delicious dish. We have a very select strain. **Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., 85c.**

EARLY WHITE BUSH. The older, very early sort. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c.**

EARLY YELLOW BUSH. A true bush, though of an earlier and smaller strain than the above. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c.**

MAMMOTH GOLDEN BUSH. Like Mammoth White Bush, the fruits run a little larger and have a fine pale-yellow skin, creamy white flesh. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c.**

GIANT WHITE SUMMER CROOKNECK. A selection from the old "Summer Crookneck." It is somewhat larger, and the skin is ivory white, which adds an attractive appearance to windows where other vegetables are grouped. The flesh is tender and of good flavor. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

GIANT SUMMER CROOKNECK

Our strain of this popular Squash produces fruits nearly double the size of the old standard "Crookneck." The plants are healthy, bushy and compact; they produce in quantity fruits that are heavily warted and true to type. The flesh color is a rich golden yellow, the quality and delicious flavor of which is the very best. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

SUMMER CROOKNECK VAUGHAN'S GIANT

SPINACH

SWISS CHARD—The City Man's Garden

ALSO CALLED "CUT AND COME AGAIN" SPINACH

This vegetable gives maximum returns for little care and space, it yields a constant crop from July to Winter.

If your garden space is limited, Swiss Chard must have a place, for in ground occupied, Swiss Chard produces more food for the table than almost any other vegetable. The leaves are used for greens the same as Spinach or beet tops; they are equal in quality and easier to prepare than spinach, and far superior to beets. Sow early in Spring, in rows 16 inches apart, and thin out to 6 inches apart in the rows. It can be used all Summer when spinach is not available. Later the leaves grow very large, with broad, flat, pure white stems, and mid-ribs, which may be cooked like Asparagus or made into very good pickles. Our packages contain recipes for cooking both the leaves and stalks. An ounce of seed is sufficient for a medium sized family. As it grows, thin out for use and keep clear of weeds. Good cultivation increases the tenderness of the leaves.

Many of the Chicago gardeners use Swiss Chard as a catch crop, giving quick results where land would otherwise stand idle. The investment is small and returns often large. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.**

LUCULLUS SWISS CHARD. A new Moss Curled sort. Very large leaves. The mid-ribs are very broad and form a good substitute for asparagus during the summer months. **Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.**

LYON SWISS CHARD. A new variety, selected especially for its broad mid-ribs and stems. **Pkt., 10c; oz., 20c.**

We put our name on strains of seed we control. We monopolize them because they have extraordinary merit. Pick out those special strains in ordering and you will be repaid.

SWISS CHARD—Nothing Better for the City Garden

SORREL. Sauerampfer-Oseille. Is boiled and served like spinach, also delicious soup is made with it, and it possesses a very fine flavor. As the hot sun tends to increase its acidity, a Northern exposure is advisable. It should be sown in drills 18 inches apart. It is hardy but the roots should be divided every four years. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.75.**

WINTER SQUASH

BOSTON MARROW. Very popular for fall and winter; thin rind, orange color, yellow flesh, fine for pies, good keeper. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.**

CHICAGO ORANGE MARROW. Large as Hubbard, good quality, 10 days earlier than others, keeps as long. Season —Sept. to Jan.; always saleable, has handsome shape, smooth orange skin, nice size, everyone likes it. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.**

PIKE'S PEAK OR SIBLEY. A vigorous, prolific old standard, oval shape, tapering at blossom end, skin dark green, the flesh of very superior quality, is light yellow. **Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., $1.00.**

DELICATA. Orange yellow, mottled with spots and stripes of dark green. Flesh, rich and solid; fine keeper and producer. Extra early. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c.**

FAXON'S BRAZILIAN. Early, long keeper, a sort that sports, average quality. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.**

THE DELICIOUS—For Quality

A squash of exceptional merit for table use. A fall and winter variety, but is fine in all seasons, though its best quality is not attained until winter. The fruits vary in shape and size, weight ranging from 5 to 10 pounds each. The rind is very thin, uniformly green, and the flesh is very thick and dark orange color; for compact fineness of grain, dryness, richness, and sweetness of flavor, it has no peer. **Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.10, postpaid.**

DELICIOUS SQUASH

CHICAGO WARTED HUBBARD

CHICAGO WARTED HUBBARD

Vaughan's Chicago Warted Hubbard Squash has been bred to meet the requirements of a high-class article of this kind; these are large size, rough-skin, dark green color, on the outside. For producers on a large scale these qualities are needed. Our Strain is ideal for the home market, vines are of strong robust growth, fruits are large, grand shape, heavily warted, fine color; flesh fine grained, rich and dry. **Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., $1.10; 5 lbs., $4.75; 10 lbs., $9.00.**

ORIGINAL HUBBARD

Not as large as Vaughan's original Chicago Warted Hubbard, but in shape and quality it is similar. The fruits have dark green skin, and often weigh as much as twenty pounds; the flesh is bright orange color, fine grained, dry and thick of superior flavor. If stored right Vaughan's Strain can be sold in good condition until spring. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.00; 5 lbs., $4.75.**

GOLDEN HUBBARD

The best kind for the private or home garden; the fruits are of the same shape as Green Hubbard, and warted, but average one-half to one-third smaller in size. They are earlier in season but keep in fine condition through the winter. The skin is bright deep orange yellow, very attractive appearance. Flesh is deep golden yellow, fine grained, cooks very dry and has rich flavor. **Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.**

GOLDEN BRONZE. Large size, 8 to 10 pounds, grayish green color, good keeper, uniform; its sweet flesh is golden yellow. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

MARBLEHEAD. Prolific, light blue, olive shape, dry and sweet, delicious flavor. **Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., $1.10.**

ESSEX HYBRID. For fall or winter, large broad fruits, large neck or Turk's cap at blossom end. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c.**

EARLIANA BEST RED EXTRA EARLY

TOMATO PLANTS—We have ready about May 15th carefully grown tomato plants. Seedlings from the hot beds, transplanted plants from flats and 2-inch pot plants. See page 54.

VAUGHAN'S

EARLIANA—The Most Popular Extra Early Red

Vaughan's **Earliana** is the earliest large, **smooth red** tomato. In season it ripens with the earliest, it is **large and smooth, bright red**, and our strain shows few, if any, of the rough fruits found in numerous quantity in other **early** sorts, and among many strains of Earliana. This variety is compact in growth, with stout jointed branches; the vines yield well and the fruit is solid and of fine quality. A few days in season to the tomato market grower sometimes means the difference between the early market high price and average season price with a small margin of profit. By constant supervision we keep our strain right—our trials show it is without a superior. This variety is planted almost exclusively in some southern tomato shipping centers. Buy Vaughan's Strain of Earliana and get results. **Pkt., 5c; oz., 25c; 2 ozs., 45c; ¼ lb., 75c; lb., $2.50.**

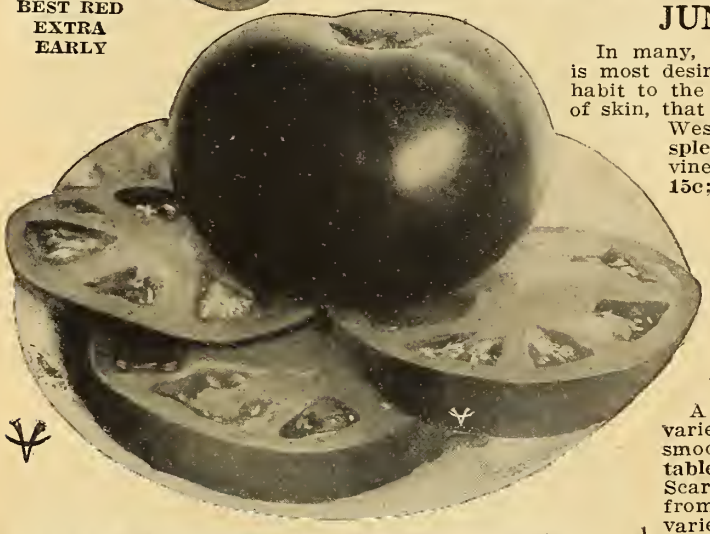
JUNE PINK—The Best Extra Early Pink

In many, perhaps the greater number of markets, a **pink early tomato** is most desired; this is the **earliest** of the **Pink** varieties, and is similar in habit to the famous Earliana. We have bred this to such fine smoothness of skin, that in our strain, growers for market find few rough fruits, and in Western markets where **pink tomatoes only** sell readily, this is a **splendid profit maker.** The fruits are of fair size and good quality; vines ripen evenly, permitting quick harvesting. **Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., $3.00.**

BONNY BEST

Is uniform and smooth, a few days later in season than Earliana, the fruits run large and nearly all marketable. Intense scarlet color, and may be planted where Earliana is a profitable market garden variety.

It equals the best: an early for the home garden. **Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., $2.75.**



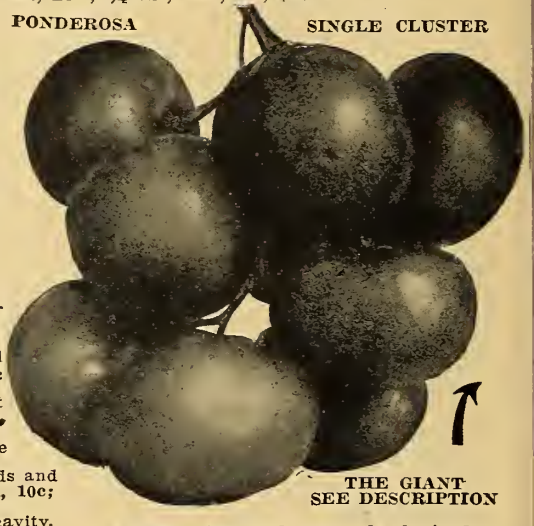
CHALK'S EARLY JEWEL—Is an extra early, good size and smooth. Vines compact and prolific, bear throughout the season. **Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., $2.50.**

VAUGHAN'S EARLIEST OF ALL—Our earliest tomato, it may be planted in the north where hot-bed facilities are poor. The fruits have good quality and the plants are dwarf, robust and quite prolific. **Pkt., 10c; ½ oz., 15c; oz., 30c; ¼ lb., 85c.**

HUMMER

A globe shape variety, medium size, smooth, **prepared for table without waste.** Scarlet color free from cracks. This variety has heavy foliage and should be started, or grown on trellises. **Pkt., 5c; ½ oz., 12c; oz., 20c; ½ lb., 75c; lb., $2.50.**

PONDEROSA SINGLE CLUSTER



THE GIANT SEE DESCRIPTION

EARLY DWARF CHAMPION

We recommend this sort for the home garden with the greatest confidence. Owing to its dwarf habit and upright tree-like growth, it is a great favorite; the fruit resembles the main crop variety "Acme." It is of medium size, very smooth, purplish pink, symmetrical, flesh very solid and of firm quality. The vine is strong and stiff requiring the very least support. **Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., $2.50.**

DWARF ARISTOCRAT—This is a scarlet Dwarf Champion. The Dwarf Champion size, shape, and form is nearly perfect for home use and with the brilliant deep scarlet which we get in the Aristocrat little is left to be desired. It will be found good under glass and for early market out of doors. It may be planted 3x3 feet or closer, making it suitable for small gardens. **Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., $2.50.**

VAUGHAN'S MODEL TOMATO

A handsome dwarf tree variety, potato leaf, foliage very large, broad, very deep dark green, heavily blistered. The fruit is smooth, and of best quality—the color is a deep brilliant scarlet. It is sure to please in the home garden. **Pkt., 10c; ½ oz., 20c; oz., 30c; 2 ozs., 50c; ¼ lb., 85c.**

FORCING VARIETIES

Sunrise. Rich scarlet, medium size, solid delicate flesh. Very prolific. **Pkt., 15c; ½ oz., 40c.**

Comet. Scarlet. Fruit medium, the heaviest yielder of greenhouse sorts. **Pkt., 15c; ½ oz., 30c.**

Hubert's Marvel. Scarlet color. Round like an apple. **Pkt., 15c; ½ oz., 30c.**

Best of All, Sutton's. One of the old standards and very good yielder of small scarlet fruits. **Pkt., 10c; ½ oz., 25c.**

Frogmore Select. Almost round, small seed cavity, bright red, old favorite. **Pkt., 15c; ½ oz., 25c.**

Lorillard. One of the best known and popular kinds. **Pkt., 5c; oz., 25c.**

Sterling Castle. Small size, uniform and very productive. **Pkt., 15c; ½ oz., 35c.**

Lister's Prolific (new). Latest popular English sort. **Pkt., 25c.**

EARLY DETROIT—The new early main crop. Purple variety, one of the best. (See page 8.) **Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 85c; lb., $3.00.**

DWARF CHAMPION

Acme. An early, purple fruited tomato, very valuable for market gardeners who ship or have a home market, and also for amateurs. The vine is large and very prolific, bearing fruit in clusters of four or five. The first fruits ripen early, and the fine, smooth, large tomatoes are produced until frost comes. One of the A1 standard varieties. **Pkt., 5c; oz., 20c; ¼ lb., 70c; lb., $2.25.**

BEAUTY—Is the most popular of the **Large Purple Sorts.** Vines large, vigorous and heavy bearers; fruit large, uniform, very smooth purplish pink skin; flesh light pink, excellent flavor. **Pkt., 5c; ½ oz., 12c; oz., 20c; 2 ozs., 35c; ¼ lb., 70c; lb., $2.25.**

EARLY MICHIGAN—An excellent uniform early red sort. First fruits are very early, while the vines continue bearing a long time. Vines large growers and very productive, will stand high culture. Fruit medium to large, increasing in size as the season advances. Smooth and free from cracks. **Pkt., 5c; ½ oz., 12c; oz., 20c; 2 ozs., 35c; ¼ lb., 70c; lb., $2.25.**

TOMATOES

The dwarf, or tree tomatoes are good yielders, require no staking; therefore, fine for home garden.

DWARF STONE

DWARF STONE—The Largest Dwarf Tomato

Is the largest **Dwarf Tomato** in existence, it resembles "Dwarf Champion", in habit, but is of stronger growth and more erect.

The fruit is red, in shape and size similar to **"Tall Stone"**; specimens weighing one pound each are quite common. The season is nearly as early as "Dwarf Champion" but the fruits are twice the size of that sort. Amateurs not used to training vines, find this a splendid variety because of being **Dwarf** and robust.

The fruits are free from cracks at the stem end; they ripen evenly, are solid and splendid quality. **Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., $3.00.**

PONDEROSA—The Giant Tomato

Of the **Large Fruited** Tomatoes, this is a gem. The vines are of strong growth. When planted in good soil and pruned to a single stem the fruits often reach one pound in weight. They are largely oblong in form, deep through, usually ribbed or ridged, deep purple color, solid flesh, small seed cells and have fine sweet flavor. **Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.25; lb., $4.10.**

VAUGHAN'S IMPROVED NEW STONE

Known as the **"King of the Reds"**; it is the best of the **main crop Red** varieties.

We have reselected this very carefully to secure heavy yield, in which point as well as in size and appearance it is unequaled. The smooth, small cored, almost beefy flavored, scarlet tomatoes are a delight to the eater, and a joy to the grower. It is an exclusive main crop variety, almost entirely used by canners. Vaughan's reselected seed will make profit for you. **Pkt., 5c; ½ oz., 12c; oz., 20c; ¼ lb., 70c; lb., $2.25.**

VAUGHAN'S IMPROVED NEW STONE

VAUGHAN'S IMPROVED NEW STONE

KING OF THE REDS

VAUGHAN'S TALL CHAMPION—An extremely strong **grower** and **heavy** bearer; the fruits are like "Dwarf Champion" in color and smoothness, but run a little larger in size, averaging 2¼ inches thick and 3¼ inches broad. It is very **hardy** and very **prolific**, one of the most desirable sorts for both home and market use. **Pkt., 5c; ½ oz., 15c; oz., 25c; 2 ozs., 40c; ¼ lb., 75c; lb., $2.75.**

ENORMOUS—**Very large**, beautifully **smooth**, solid **flesh**, **few seeds**; rather **oval** shape, mid-season, ripens all through the fruit at once. Vines are not so productive as Matchless, but fruit is large. **Pkt., 10c; oz., 30c; 2 ozs., 45c; ¼ lb., 85c; lb., $3.00.**

HUSK or Strawberry—The small yellow fruits are each enclosed in a husk. They are very sweet, prized for eating, preserving and making pies. **Pkt., 5c; ½ oz., 15c; oz., 25c.**

TOMATO CORELESS—A late red, most perfect shape, best suited to southern and central states; requires long season to mature. The productive vines bear clusters of 4 to 7 fruits. Splendid for markets demanding red tomatoes and for home garden and canners. **Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., $2.75.**

CRIMSON CUSHION—Or Beefsteak Tomato, is very large, round and regular; bright scarlet skin, flesh solid best quality, seed cells small and few. Plants are very prolific, fine appearance, good shipper. **Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 90c; lb., $3.25.**

MAGNUS—An **early main crop**; strong growing vines, with short joints, placing the fruit clusters close together; a heavy cropper. Fruits are **globe shape, purple** and ripen evenly. **Pkt., 5c; ½ oz., 12c; oz., 20c; 2 ozs., 35c; ¼ lb., 70c; lb., $2.25.**

SMALL FRUITED TOMATOES—The fruits are used for fancy pickles, etc.

TWO PEACH TOMATOES—Peach shape and color, eaten raw or preserved. Red or Yellow each. **Pkt., 10c; ½ oz., 20c; oz., 35c;** two mixed, **pkt., 10c; 3 for 20c.**

YELLOW PLUM AND RED PLUM—Fruits about 2 inches long, 1 inch through; the first is bright **lemon yellow**, the other, plum red. Solid flesh fine quality. **Each, pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c.**

YELLOW PEAR—Distinct pear shape. **Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., $2.75.**

RED PEAR-SHAPED—Larger **red** type of above. **Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c.**

RED CHERRY—Little fruits, bright scarlet. **Pkt., 5c. ½ oz., 15c; oz., 25c; ¼ lb., 75c.**

RED CURRANT—**Very small.** **Pkt., 5c; ½ oz., 15c.**

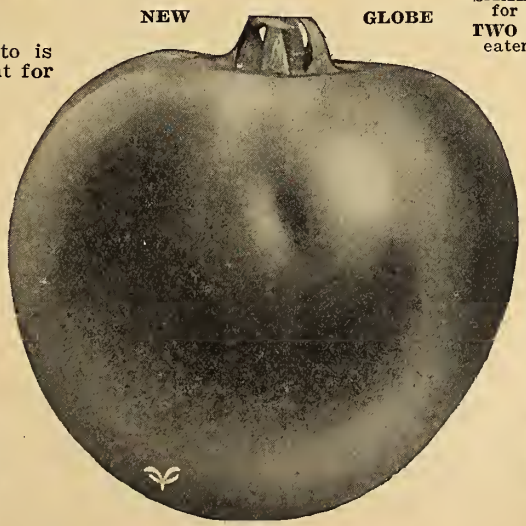
NEW GLOBE
A New Ball Shaped Type

This new **Globe** or **Ball Shaped** tomato is ideal for the home garden; it is excellent for slicing without waste, one slice like another. The rich juicy, meaty, tomato flavor, gives a certain zest and joy in the eating. The vines ripen the first fruits with the second earlies, they **yield a heavy crop** and continue to bear until frost. The skin is glossy, **smooth** and a lovely **red**, the flesh is firm and has **few seeds**. By very careful breeding there are now very few off vines, most produce true **Globe Shaped** tomatoes. **Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., $2.75.**

MATCHLESS—Large, bright red, long keeping tomato. The solid fruits are produced on strong, vigorous prolific vines. Very distinct desirable sort. **Pkt., 5c; oz., 20c; ¼ lb., 75c; lb., $2.25.**

CREAM CITY—This is one of the very first large Tomatoes to ripen, coming in about a week ahead of Acme. Smooth, always round and good first size. The color is purplish crimson, similar to Acme. Flesh is very thick, firm and solid, with few seeds. Good shipper, does not crack or rot. **Pkt., 5c; ½ oz., 12c; oz., 20c; 2 oz., 35c; ¼ lb., 70c; lb., $2.25.**

NEW GLOBE



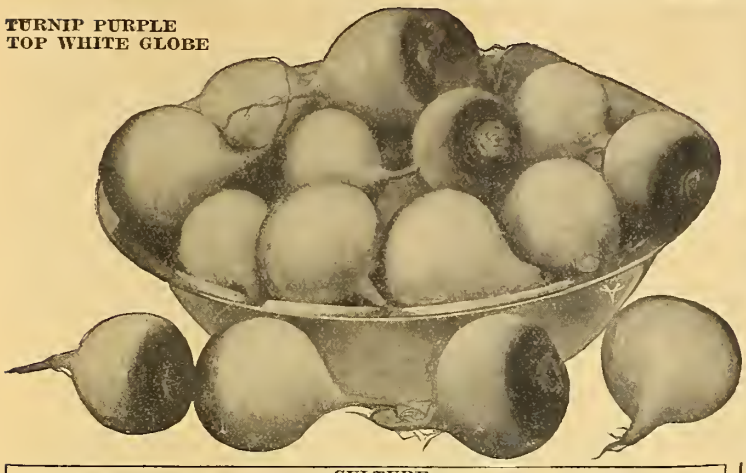
SHAPED LIKE A BALL

OTHER STANDARD SORTS

Per pkt. 5c, of any of the following:

	½ oz.	1 oz.	¼ lb.	1 lb.
Atlantic Prize. Early Red....	$0.12	$0.20	$0.60	$2.00
Buckeye State. Late purple..	.12	.20	.75	2.60
Early Freedom. Very early...	.12	.20	.75	2.50
Favorite. Early, smooth, red good shipper	.12	.20	.60	2.00
Golden Queen. Rich yellow...	.15	.25	.75	2.50
Honor Bright. Best shipper; good quality	.12	.20	.60	2.00
Imperial. Early purple.....	.12	.20	.60	2.00
Perfection. Solid flesh; blood red; late; a favorite.....	.12	.20	.60	2.00
Trophy. Old standard; late...	.12	.20	.60	2.00

TURNIP PURPLE TOP WHITE GLOBE



CULTURE

Sow in July or August on new land, 1 oz., to 150 ft. of drill. Drilled 1½ lbs. to the acre; broadcast, 3 to 4 lbs.
See Page 56 for Root Crops for Stock Feeding.

PURPLE TOP WHITE GLOBE

Originated from the "Purple Top Flat Turnip," and is extensively planted, and popular for its fine qualities. The flesh is firm, fine grained, sweet and rich flavored; it is of good size and globe shaped, has a splendid appearance, is a good producer and fine keeper. A splendid table variety and tip top for stock. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c; 5 lbs., $2.65; 10 lbs., $5.00.**

EARLY SNOWBALL. Small, grows quick; white. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

WHITE NORFOLK. Globular, late, solid. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

POMERANIAN WHITE GLOBE. Large, good both for table and stock. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

SEVEN TOP. A variety much grown in the south for the tops, which are used as greens. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

LARGE YELLOW, OR AMBER GLOBE. Fine quality and sweet. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

GOLDEN BALL or Orange Jelly. Medium size globular table turnip. Season early. Flesh golden yellow, very sweet. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

YELLOW STONE. Popular variety, yellow flesh, round shape, somewhat flattened; excellent quality for table or market. Fine keeper, good for stock. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

TETLOW—Small in size; a German delicacy of remarkable quality. **Pkt., 5c; oz., 15c; ¼ lb., 25c; lb., 90c.**

VAUGHAN'S

PURPLE TOP MILAN

An excellent medium size turnip, almost as early as White Milan, smooth white surface, purple top, flat shape, white flesh—its growth is very uniform and quality the best. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

WHITE MILAN is the earliest turnip, but can be used Spring or Fall. The skin is smooth and snowy white so fine, it has a polished appearance; medium size, white, tender, sweet flesh; short foliage. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

EARLY WHITE FLAT DUTCH, a very fine turnip when not overgrown, but spongy and inferior if over matured. It is an early garden variety, popular in the southern States; is medium sized, sweet, tender and desirable for table use. **Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.**

COW HORN OR LONG WHITE. Grows nearly half way out of the ground, carrot shape, usually slightly bent; pure white, has slight green tinge on top. Table quality is best. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.**

WHITE EGG. Quick growing, egg shaped, perfectly smooth, pure white variety, grows half way out of ground with small tops and rough leaves, never has rank, strong taste, but the sweet, firm flesh is always mild, rich and fine flavored. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

PURPLE TOP MILAN

WHITE FLAT DUTCH

ROOTS AND VEGETABLE PLANTS

RHUBARB OR PIE PLANT ROOTS

These roots planted in good soil in the early spring will make a good growth, yielding stalks for the table the following spring.

CLUMPS, MAMMOTH VARIETY, 25c, 35c, 50c and 75c each, according to the size. Sent by express at buyer's expense.

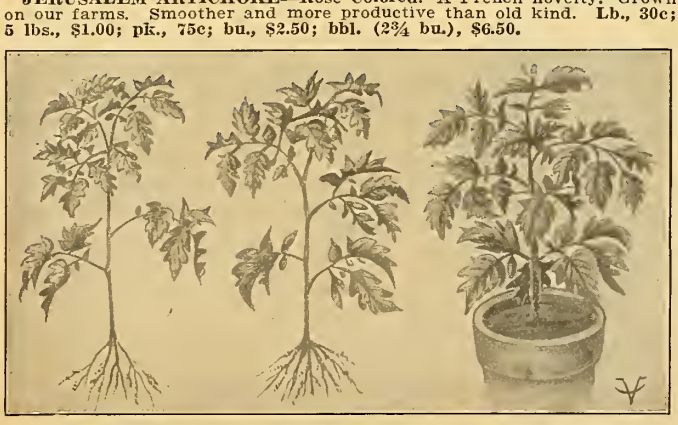
SEEDLINGS. One year from seed, **each, 15c; doz., $1.50, postpaid. By express, $7.50 per 100.**

NAMED VARIETIES. Chicago Giant, very heavy stalks. See description page 27. **Early Raspberry.** Sauce made from this variety has a pink color and a distinct raspberry flavor. **Hobday's Giant,** of extraordinary size and excellent flavor. Stems sometimes four feet in height. Any one of the three, divided clumps, **50c each, not prepaid.**

JERUSALEM ARTICHOKE ROOTS

A fine hog feed—more like potatoes. Hardy. **Lb., 20c; 3 lbs., 50c; pk., 75c; bu., $2.00; bbl. (2¾ bu.), $4.25. At New York, bu., $2.50; bbl., $5.25.**

JERUSALEM ARTICHOKE—Rose Colored. A French novelty. Grown on our farms. Smoother and more productive than old kind. **Lb., 30c; 5 lbs., $1.00; pk., 75c; bu., $2.50; bbl. (2¾ bu.), $6.50.**



SEEDLING TRANSPLANT POT PLANT
TOMATO PLANTS SHOWING SIZES

We grow these in large quantities and also contract with careful hot bed growers to guard against failures.

NOTE. We can supply only the varieties listed here.

CABBAGE. Ready about April 20th. We can supply the following varieties: Early Jersey Wakefield, Early All Head, Hollander or Dutch Winter and Black Diamond (Red). Prices same as Tomatoes.

CAULIFLOWER. Ready about April 20th, Vaughan's New Snowball. Prices same as Tomatoes; see below.

CELERY, EARLY, Ready June 15th. White Plume, Golden Self Blanching and Giant Golden Heart.

CELERY, LATE. Winter Queen.

CELERIAC. Giant Prague.

Transplanted Plants. Doz., 20c, 50 for 50c, 100 for 75c, postpaid. By express—Doz., 15c; 100, 65c; 250 for $1.50; 500 for $2.50; 1,000 for $4.50.

CHIVES. Clumps of roots, by express, 15c; doz., $1.00; by mail, add 10c.

EGG PLANT. Ready about May 15th, New York Purple Improved.

PEPPER. Ready about May 15th; Vaughan's Sweet Mountain, Magnum Dulce and Cayenne.

2-inch pot plants (by express at buyer's expense), doz., 60c; 25 for $1.10; 100, $4.00.

Transplanted plants from flats, doz., 35c; 25 for 60c; 50 for $1.10, prepaid. By express, doz., 30c; 100 for $2.00.

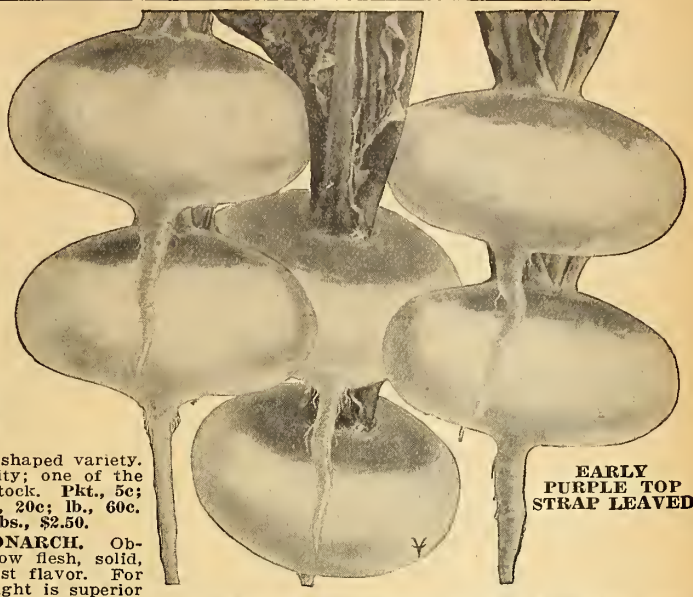
SWEET POTATOES. Ready about May 20th, Yellow Nansemond and Red Jersey Plants. **Doz., 20c; 50 for 65c; 100 for $1.00, postpaid. By express—Doz., 15c; 50 for 50c; 100 for 75c; 250 for $1.50; 1,000 for $4.00.**

TOMATO. Ready about May 15th. The following varieties: Earliana, Dwarf Champion, Dwarf Stone, Beauty, New Stone and Ponderosa.

Prices. See drawing showing relative sizes of plants—2-inch pot plants, sent by express (at buyer's expense), **doz., 50c; 25 for 85c; 100 for $3.00.** Transplanted plants from flats, **doz., 30c; 25 for 55c; postpaid. By express—Doz., 25c; 50 for 90c; 100 for $1.75; 1,000 for $15.00.** Seedlings from the hot beds, **doz., 20c; 50 for 75c; 100 for $1.25, postpaid. By express—100 for $1.00; 1,000 for $6.00.**

TURNIPS

RE-SELECTED STOCKS



EARLY PURPLE TOP STRAP LEAVED

EARLY PURPLE TOP—Strap Leaved

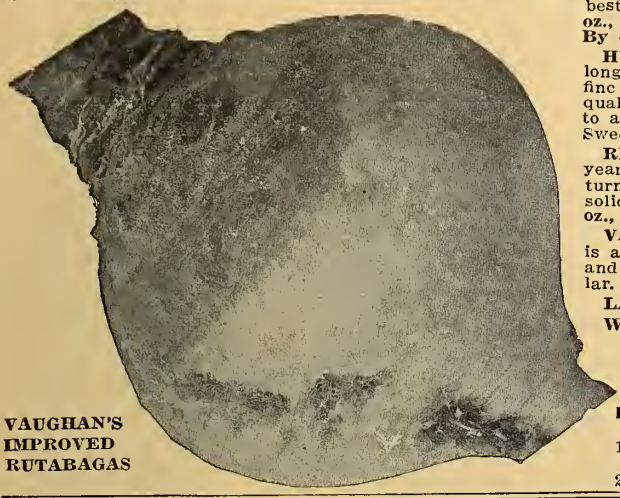
Fine table variety, being tender and of delicious flavor. It is in season about a week later than White Milan, in shape it is broad and flat like a disc, medium size, flesh white, fine grained and tender. On top the color is dark red or purple, below white, has few leaves, entirely upright in growth, good keeper. **Pkt. 5c; oz., 10c; ¼ lb., 20c; lb., 45c; 5 lbs., $1.85.**

YELLOW ABERDEEN. Large globe shaped table and stock variety. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

SWEDES OR RUTABAGAS

Require longer season than Turnips do. For table use they have better flavor and usually keep better than Turnips. An excellent crop to raise for cattle and other stock feeding. Yield heavy, feeding value high. (See page 56.) Should be sown from first to middle of July for table use.

VAUGHAN'S IMPROVED. From stock of a purple top; largest size, best shaped variety. Small neck, smooth skin; good cropper and keeper. Excellent table quality; one of the best sorts for stock. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c. By express—5 lbs., $2.50.**



VAUGHAN'S IMPROVED RUTABAGAS

HURST'S MONARCH. Oblong form, yellow flesh, solid, fine grained, best flavor. For quality and weight is superior to any variety in cultivation. Produces five to seven tons per acre more than any other Swede. Should be used for early feeding. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

RHODE ISLAND ROCK. Great improvement on White French Turnip, made after years of selection by a Rhode Island market gardener. Three weeks earlier than any turnip of its class; can be planted later to follow peas, corn, beets, etc. Very hardy, solid pure white flesh, fine grained, brittle and sweet. Excels as a keeper. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.**

VASSAR. This is a yellow-fleshed selection of the White Breadstone Rutabaga, and is a very desirable variety for late fall use. The flavor is at its best about Christmas and after. The roots are very hard and keep into the summer if stored in a good cellar. **Pkt., 5c; oz., 15c; ¼ lb., 25c; lb., 70c.**

LAING'S. Large early, purple top, flesh yellow. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

WHITE SWEDE. Flesh white, solid, large. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

CARTER'S IMPERIAL. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

SKIRVING'S. Large yellow. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

BREADSTONE. Medium size, white roots. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

BANGHOLM. Yellow flesh, purple top with small neck. Danish pedigree seed. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

SWEET GERMAN. A fine table sort, white flesh, excellent keeper. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

SUTTON'S CHAMPION. Round, big yielder, yellow flesh. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

HERBS--SWEET, POT AND MEDICINAL

For flavoring soups, meats, etc., a few pot and sweet herbs are necessary for every garden. If they are to be used during the winter, the stalks should be cut on a dry day, when not quite in full bloom. They should then be dried quickly in the shade, and when dry be packed closely in boxes with the air entirely excluded.

Varieties preceded by an * are perennials.

ANISE. Used for garnishing, seasoning and for cordials. **Pkt., 5c; oz., 10c.**

***BALM.** Used for making Balm wine and tea. **Pkt., 5c; oz., 20c.**

BASIL, Sweet. The leaves are used for flavoring soups, stews and highly seasoned dishes. **Pkt., 5c; oz., 15c; lb., $1.35.**

BENE. The leaves immersed in a tumbler of water make a drink very beneficial in cases of dysentery. **Pkt., 5c; oz., 15c.**

BOHNENKRAUT. See Summer Savory.

BORAGE. Flowers excellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks. **Pkt., 5c; oz., 15c.**

CARAWAY. Seeds are used for flavoring bread, pastry, meats, etc. **Pkt., 5c; oz., 10c.**

CATNIP or Catmint. Grown for bee pasture. The leaves and young shoots are used for seasoning. **Pkt., 10c; oz., 30c.**

CHAMOMILE (Matricaria Chamomile). The dried flowers possess medicinal value. Prescribed by physicians as an emetic and vermifuge. **Pkt., 10c.**

***CHIVES.** Used for seasoning. **Seed, pkt., 10c; ½ oz., 30c; oz., 60c.** See opposite page for clumps.

CORIANDER. The seeds are used for flavoring. **Pkt., 5c; oz., 20c; lb., 75c.**

DILL. Leaves are used in pickles and for flavoring soups and sauces. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 85c.**

***FENNEL.** The leaves boiled are used in fish sauces and are beautiful for garnishing. The seeds are used for flavoring. **Pkt., 5c; oz., 10c.**

FENNEL, FLORENCE. An excellent legume with agreeable aromatic flavor, somewhat resembling celery, but with sweet taste and a more delicate odor. Very distinct from Common Fennel. Height of plant, 2 ft. Directions for culture and use given with each order. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

***HENBANE.** The growing plants are supposed to absorb malaria. **Pkt., 5c; oz., 25c.**

***HOP SEED. Pkt., 15c.**

***HOREHOUND.** The leaves are used for flavoring and also in the manufacture of cough remedies. **Pkt., 5c; oz., 15c.**

HYSSOP. The tops and flowers are used for Hyssop tea. **Pkt., 5c; oz., 15c.**

***LAVENDER.** The leaves are sometimes used for seasoning, but the plant is chiefly grown for its flowers, which are used in the making of perfumes. Two kinds.

LAVENDER TRUE (Lavendula vera). The best. **Pkt., 10c.**

Lavendula spica. Not quite so strong. **Pkt., 5c; oz., 15c; lb., $1.00.**

LAVENDER PLANTS. Give much better results than seed. **First size, 25c each; doz., $2.50; 2nd size, 15c each, 3 for 40c; doz., $1.50. By mail—Add 5c per plant, 20c per doz.**

MARJORAM (Sweet). The leaves and the end of the shoots are used for flavoring in summer and they are also dried for winter use. **Pkt., 5c; oz., 15c.**

***MINT, Old Fashioned.** For mint sauce and juleps. **Plants 1 yr. old, 15c each; doz., $1.50. Plants 2 years old, 20c each; doz., $2.00. Large plants (by express), 50c each; doz., $4.00. By mail add 5c each; 20c doz.**

PENNYROYAL. Leaves are used for seasoning puddings and various dishes. **Pkt., 10c.**

PEPPERMINT. The leaves and stems are used for flavoring, but particularly for the distillation of the essence of peppermint. **25 seeds, 10c; 100 seeds, 30c.**

PIMPINELLA (Burnet). The young tender leaves are used as salad; they have a flavor resembling cucumbers. **Pkt., 5c; oz., 15c.**

ROSEMARY. The leaves are used for seasoning. **Pkt., 5c; oz., 35c.**

***RUE.** For medical purposes; good for fowls for the croup. **Pkt., 5c; oz.. 15c.**

SAFFRON. Used for coloring certain dishes, also flavoring. **Pkt., 5c; oz., 10c.**

SAGE, Holt's Mammoth. The plants are of strong growth, attain a height of 1 ft. the first season and spread so that a single plant covers a space 3 ft. in diameter. They are perfectly hardy and make a still larger growth the second season. **Price, each, 15c, 3 for 40c; doz., $1.50. By mail, add 5c each; doz., 20c.**

SAGE. Leaves and tops are used for seasoning and stuffing. **Pkt., 5c; oz., 15c.**

SUMMER SAVORY. The leaves and young shoots are used for flavoring, especially for boiled string beans. **Pkt., 5c; oz., 10c; ¼ lb., 60c; lb., $2.00.**

TAGETES LUCIDA. This possesses in its green parts almost exactly the true Tarragon flavor; of easiest culture. **Pkt., 5c; ½ oz., 25c.**

***TARRAGON (Artemisia dracunculus).** For vinegar making. The leaves, dried or fresh, are steeped in ordinary vinegar. A hardy perennial. Plants only. **First size, 25c each; doz., $2.50; 2nd size, 15c each; doz., $1.50. By mail, add 5c ea.; doz., 20c.**

THYME. Used for seasoning; a tea is also made for nervous headache. **Pkt., 5c; ½ oz., 15c; oz., 30c.**

WALDMEISTER (Asperula Odorata). Used in May Wine and also for scenting clothes. **Pkt., 10c.**

***WORMWOOD.** Beneficial for poultry; should be planted in poultry yards. **Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., $2.20.**

SWEET MARJORAM (Majoran, Marjolain)

ROOT CROPS FOR STOCK

These are an essential crop for all kinds of stock, since they act as a food tonic, improving the condition and health of the animals. They also increase the flow of milk of dairy cows. All animals need some kind of succulent food and even where ensilage is available, roots are being used in addition, such feeding yielding profitable net gains in either weight or milk. The following succession planted in the spring will furnish succulent feed from September to April—Turnips, Rutabagas and Mangels, the last named not being in proper condition to use before January. Roots are usually chopped or sliced for feeding and should not be fed alone but always with some dry forage.

STOCK CARROTS

Carrots are very valuable for all kinds of domestic animals, and are better for horses than any other root crop. When fed alternately with oats to work-teams on the farm, the value of Carrots has been found to equal the oats they displace. Succulent food, in part, will always prove beneficial. Carrots are best.

Mastodon. Heaviest cropping Carrot. Roots short, white, very heavy at shoulder, easy to harvest without breaking. One of the most profitable sorts. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c. By express, 5 lbs., $2.75.**

Vaughan's Half Long Danvers. Another broad-shouldered variety. Round stump rooted and a wonderful producer. Fine for stock, a good table sort. **Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.25. By express, 5 lbs., $5.00.**

Long Orange Belgian. Best long variety. Good heavy cropper for light soils where roots can be easily dug. Exceptionally fine keeper. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c. By express, 5 lbs., $2.75.**

Long White Belgian. Similar to Long Orange, except in color. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c. By express, 5 lbs., $2.75.**

Improved Long Orange. Extra good yielder. Roots long, tapering from shoulder to a point. Largely grown for stock, also good table variety. **Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., $1.00. By express, 5 lbs., $4.25.**

SUGAR BEETS

Grown for sugar manufacture and valuable for stock feed when used sparingly. Our seed is from strains far superior to any usually offered. With proper culture it will produce roots testing a high per cent of sugar.

Vilmorin's Imperial. Improved French variety; large, thick at shoulder, tapering below; yields nearly as much as the Mangels, contains about 16 per cent sugar. **Oz., 5c; ¼ lb., 15c; lb., 45c. By express, 5 lbs., $1.50.**

Klein-Wanzleben. Most popular Sugar Beet. Wedge shape, tapering to long tail. **Oz., 5c; ¼ lb., 15c; lb., 50c. By express, 5 lbs., $1.75.**

Lane's Improved. Heavy yielder; flesh snow white. **Oz., 5c; ¼ lb., 15c; lb., 50c. By express, 5 lbs., $1.75.**

French Red Top Sugar. Hardy, productive. **Oz., 5c; ¼ lb., 15c; lb., 50c. By express, 5 lbs., $1.75.**

TURNIPS AND RUTABAGAS

Early Purple Top Strap Leaved. Early. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 45c. By express, 5 lbs., $1.75.**

Purple Top White Globe. Large, heavy yielder. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c. By express, 5 lbs., $2.65; 10 lbs., $5.00.**

Yellow Aberdeen. Best for stock. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

Vaughan's Improved Rutabaga. Good cropper. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c. By express, 5 lbs., $2.50.**

Hurst's Monarch. Large per cent dry matter. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

Bangholm. Danish Pedigree Seed. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

For description of Turnips and Rutabagas see pages 54 and 55.

BARRES SLUDSTRUP MANGEL

BARRES SLUDSTRUP MANGEL

Holds the world's record for dry matter content. This Mangel has been awarded a first-class certificate several times by the Danish Government, the highest honor in Denmark, where Mangels are as important as corn is here.

Sludstrup is a long reddish-yellow, ovoid root, growing more than half above ground. Easily harvested, and by actual test far excels any other variety, in both the weight and feeding value of yield. Our seed is from the best Danish growers. **Oz., 10c; ¼ lb., 20c; lb., 60c; 5 lbs., $2.25.**

FREE BOOKLET ON ROOT CROPS

MANGELS OR STOCK BEETS

ASK WHEN ORDERING

Giant Eckendorf Mangel. Most popular German Mangel, as it contains a large amount of nutritive matter, while it is also a remarkably heavy yielder. The great yellow roots weighing 15 to 20 pounds each, are cylindrical in form, and since the greater portion is above the surface of the ground, they are easily harvested. **Oz., 10c; ¼ lb., 20c; lb., 50c. By express, 5 lbs., $1.75.**

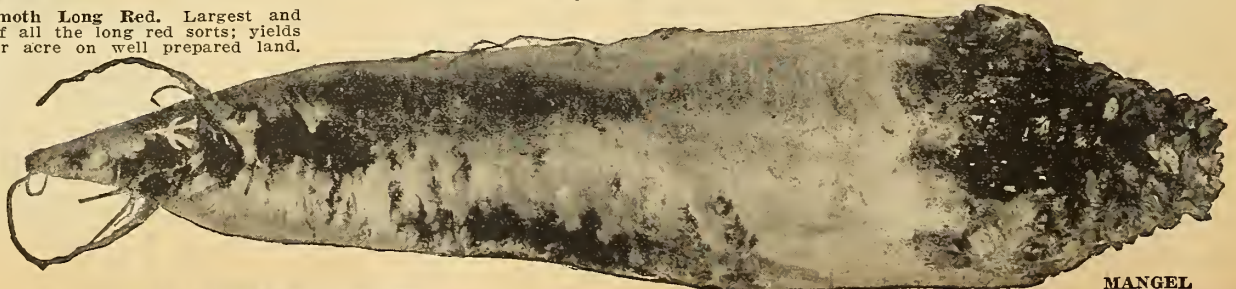
Half Sugar Mangel. A variety combining the best qualities of Sugar Beets and Mangels. They are about the same shape as Long Red, but have white skin and flesh. They are highly nutritious and a big producer. Easier to harvest than Sugar Beets. **Oz., 10c; ¼ lb., 20c; lb., 50c. By express, 5 lbs., $1.75.**

Vaughan's Mammoth Long Red. Largest and heaviest cropper of all the long red sorts; yields up to 40 tons per acre on well prepared land. Dark foliage, with bright red skin and white flesh veined with pink. Grows well up above the ground, easy to harvest. Splendid dairy feed. **Oz., 5c; ¼ lb., 15c; lb., 40c. By express, 5 lbs., $1.50.**

Golden Tankard. Smooth, yellow flesh, small yellow-stemmed top, length 11 inches, diameter 4 inches, shape cylindrical. Usually grows over half out of ground. Easily pulled, very hardy, good yielder. A very nutritious stock feed. **Oz., 5c; ¼ lb., 15c; lb., 40c. By express, 5 lbs., $1.50.**

Giant Yellow Intermediate. Ovoid, between the long and globe varieties in shape, skin yellow, flesh white with yellow zones. Better than longer kinds for shallow soils. **Oz., 5c; ¼ lb., 15c; lb., 40c. By express, 5 lbs., $1.50.**

Champion Yellow Globe. Skin a rich yellow, flesh white and solid; grows two-thirds above ground, hence the best for shallow soils. Good keeper. **Oz., 5c; ¼ lb., 15c; lb., 40c. By express, 5 lbs., $1.50.**



VAUGHAN'S MAMMOTH LONG RED

MANGEL

General List of Annual Flowers

We have this year abstracted the Perennials from our **General Flower Seed List** and offer them further on in the catalogue with our **Perennial Plants,** a change which will, we are sure, be helpful to our readers as they will know at a glance to which class a plant belongs, while the combining of the **Perennial Plants and Seeds** very much facilitates the ordering of either or both.

QUALITY FIRST has always been our aim in selecting and growing our flower seed stocks and our old reputation of having THE BEST FLOWER SEEDS IN AMERICA is fully maintained in our offerings this year.

The FOLLOWING SIGNS have been employed in these pages to distinguish the class to which the varieties so prefixed belong:

⊙ **Annuals.** These attain full growth from seed, flower and die first year.

⊙⊙ **Biennials.** These grow from seed the first year, bloom and die the next, though some varieties bloom the first year, if sown early.

Greenhouse Plants. Start inside and cultivate in pots, or else transplant outside when danger of frost is over.

Stove Plants. To be grown inside all the year round for pots only

§ **Climbing Plants.**

55 **ABRONIA Umbellata Grandiflora (Sand Verbena)** ⊙ 6 in. A charming trailing succulent plant, with Verbena-like heads of fragrant flowers, of bright rose with white center; it delights in a dry poor soil and sunny situations on rockwork. ¼ oz. 15c — Pkt. 05

58 **ABRUS Precatorius** § 12 ft. Beautiful prayer beans. Seeds resemble coral beads; may be used for necklaces. Soak seed in warm water before sowing. . 05

62 **ABUTILON Royal Prize (Flowering Maple)** 3 to 4 ft. The elegant drooping bell-shaped flowers are beautifully veined and striped. 10

70 **ACACIA Mixed** 6 ft. Fine winter and spring-flowering plants, graceful flowers and foliage. 1 oz. 20c 05

92 **ACROLINIUM Roseum** ⊙ 2 ft. A pretty Everlasting, bearing graceful daisy-like flowers, pretty bright rose with yellow center, which, when cut in the bud state, can be dried and used for winter bouquets ¼-oz. 15c 05

93 **Roseum Flore Albo.** White, graceful white daisy-like flowers with yellow center. ¼-oz. 15c 05

108 **ADONIS Aestivalis (Flos Adonis)** ⊙ 1 ft. Pretty little plant with feathery, fresh green foliage, dotted with innumerable small blood-red flowers. . . . . ¼ oz. 10c 05

115 **AGAPANTHUS Umbellatus (Blue Lily of the Nile)** 1 ft. . . . . ¼-oz. 25c 10

Ageratum ⊙

One of the best summer blooming plants grown from seed. They are rapid growers, early and constant bloomers. During the hot dry summer months their bright flowers are produced in the greatest profusion. Set the dwarf sorts 10 inches apart and they soon make a mass of charming color.

121 **Mexicanum Coeruleum** 18 in. Beautiful soft lavender-blue, of free branching habit. . . . . ¼ oz. 10c 05

122 **Album.** White. . . . . ¼ oz. 10c 05

123 **Mixed.** . . . . . ¼ oz. 10c 05

124 **Nanum Blue Perfection** 9 in. The darkest Ageratum grown from seed. . . . . ¼ oz. 25c 10

125 **Imperial Dwarf Blue** 6 in. A charming variety, of fine compact growth, covered with heads of feathery flowers of a deep lavender color. . . . . ⅛ oz. 15c 05

126 **Imperial Dwarf White.** . . . . . ⅛ oz. 15c 05

127 **Little Blue Star.** 4 to 5 in. Producing miniature bushes, covered from early summer to autumn with clusters of flowers opening light blue with purple center and developing to a bright blue self. 10

AGERATUM—Blue Perfection

Ageratum—Continued

128 **Princess Victoria Louise.** 6 in. This is the prettiest of the dwarf Ageratums. It grows in dense bushy plants covered with lovely sky blue flowers with white centers. ¼-oz. 20c. . . . . Pkt. 10

129 **Lasseauxi.** 3 ft. Plants grow vigorously and produce their soft pink flowers the entire summer. ¼-oz. 20c. 10

130 **Red Pearl.** 6 to 8 in. The plants branch and spread freely, and produce their charming, pink, ruby-centered flowers in abundance 25

131 **Wendlandi Nanum Compactum Album.** 6 in. White flowers produced through the entire summer. . 10

135 **AGROSTEMMA Coeli (Rose of Heaven)** ⊙ 1 ft. Remarkably pretty hardy annual of light graceful habit; attractive in flower borders and prized for cutting; flowers light rose, shaded white. ½ oz. 15c 05

136 **AGROSTIS Nebulosa (Cloud Grass)** ⊙ 1½ ft. An airy and graceful annual grass, looks like a line of mist when in bloom. Beautiful to mix with cut flowers. . 05

150 **ALONSOA Warscewiczi** ⊙ 2 ft. A fine plant with bright vermilion-scarlet flowers, with golden stamens, suitable for bedding. A sunny spot should be chosen. . 10

Alyssum ⊙

159 **Benthami Maritimum (Sweet Alyssum)** This is one of the finest annuals we have for edging and is beloved by many on account of its modest blossoms. It is pleasantly fragrant. It begins to bloom early in the season, and continues until frost. Mix the seed with sand before sowing to prevent sowing too thickly. 1 lb. $2.25; ¼ lb. 60c; 2 oz. 40c; 1 oz. 25c; ½ oz. 15c 05

160 **Vaughan's Little Gem, Snow-white Carpet Plant.** The plants, which are only a few inches high, grow so dense and are so completely covered with snow-white blossoms, they create the impression of a beautiful carpet spread over the ground. We know of no other flower which is so particularly well adapted for borders, ribbons, etc., as our Little Gem Alyssum. 1 oz. 75c; ½ oz. 40c; ¼ oz. 25c. 10

ANTIRRHINUM (Snapdragon)

Amaranthus ⊙

Brilliantly foliaged annuals, some of the varieties bearing curious racemes of flowers. All are useful in borders of tall plants, among shrubs, or for the centers of large beds. Do not grow them too closely together, but give them sufficient room to develop their full beauty. When flowered in small pots under glass they are very charming.

		Pkt.
170	**Atropurpureus** 4 ft. Beautiful dark purple flowers...	05
171	**Caudatus (Love lies bleeding)** 3 ft. Drooping red spikes	05
172	**Cruentus (Prince's Feather)** 3 ft. Dark red feathery flowers.....¼-oz. 15c	05
173	**Salicifolius (Fountain Plant)** 3 ft. Willow-leaved. Graceful red and yellow foliage of drooping habit....	05
174	**Tricolor Splendens (Joseph's Coat)** 2½ ft. The inner foliage is of blackest bronze, tipped with green, while the outer foliage is bright scarlet and gold. ¼-oz. 15c	05
180	**Fine Mixed.** All the above and many others. 1 oz. 25c	05
181	**AMARYLLIS Hippeastrum New Hybrids** ⌂ Saved from one of the finest collections in Europe; valuable sorts may be raised from this seed.....	25
182	**AMBERBOA Muricata Rosea** ⊙ 1½ ft. A very pretty free-flowering hardy annual, producing on long stems numerous cornflower-like flowers, about 2 in. in diameter, of a charming light pink.....¼-oz. 15c	10
190	**AMBROSIA Mexicana** ⊙ 2 ft. Very curious, long spiral stems, bearing an abundance of small round greenish yellow buds and blossoms which are exceedingly fragrant.....¼ oz. 20c	10
194	**AMMOBIUM Alatum Grandiflorum** ⊙ 2½ ft. This pretty white Everlasting should be in every garden. Grows in sandy soil.....½ oz. 15c	05
200	**ANAGALLIS Grandiflora Mixed** ⊙ 6 in. Lovely dwarf plants, exceedingly effective as edgings, also charming on rockwork and in pots.....⅛ oz. 10c	05
240	**ANTIGONON Leptopus (Mexican Mountain Rose)§** Handsome summer-blooming greenhouse climber, requiring abundance of light. In the South it blooms freely in the open. Flowers beautiful rose-pink.....	10

Antirrhinum (Snapdragon) ⊙

For gorgeous coloring few flowers can match **Snapdragons.** The flowers of this new strain are of very large size, are very fragrant and are produced on immense long spikes, which render them extremely well adapted for cut-flowers. They are easily raised from seed in any rich sunny bed. If intended for winter flowering inside, cut back in September.

Tall Giant Flowering

241	**Queen Victoria** 3 ft. Very beautiful, bearing immense flowers, white shaded cream, with lemon-colored lip..	10
242	**Golden King.** Yellow.....¼-oz. 25c	10
243	**Lovely.** Delicate rose with pink lip.....¼-oz. 25c	10
244	**Delicata.** Daybreak pink.....¼-oz. 25c	10
245	**Brilliant Rose**.....¼-oz. 25c	10
246	**Apple Blossom.** A charming pink shade on a white ground, with a white throat.....⅛-oz. 25c	10
247	**Silver Pink.** Delicate rosy pink, seemingly covered with a silver sheen.....⅛-oz. 40c	15
248	**Coral Red.** Dark rose.....¼-oz. 25c	10
249	**Delila.** Carmine and yellow with white throat.....	10
250	**Brilliant Scarlet**.....¼-oz. 25c	10
251	**Butterfly.** Striped.....¼-oz. 25c	10
252	**Firefly.** Scarlet and white.....¼-oz. 25c	10
253	**Rubin.** An odd and especially brilliant color.....	15
254	**Maximum, Purple King**.....⅛-oz. 25c	10
260	VAUGHAN'S SPECIAL **VAUGHAN'S SPECIAL MIXTURE** of Giant Snapdragons includes all the above and many others, 1 oz. $1.25; ¼-oz. 40c; ⅛-oz. 25c	15
261	**Majus Grandiflorum.** Ordinary mixed...¼-oz. 20c	10

Semi-Tall Giant Flowering

Are particularly good for bedding, as they require no staking. The flowers are most wonderful, in many new shades and tints.

262	**Amber Queen.** The ground color is canary yellow overlaid with chamois pink with a gold lip..⅛-oz. 30c	15
263	**Carmine Queen.** Rich rose carmine, a most exquisite variety with very large fringed flowers.....⅛-oz. 30c	15
264	**Golden Queen.** Large flower, rich color.....	10
265	**Pink Beauty.** Fine deep old rose with small yellow lip; the foliage, which is pale, forms a striking contrast to the rich color of the flower.....⅛-oz. 30c	15
266	**Grenadier.** The flowers are a vivid orange with white throat, yellow lip; most effective.....	15
266a	**Majus,** Tall, mixed.....½-oz. 30c	05

Semi-Dwarf Giant Flowering

267	**Queen of the North** 12 in. Handsome, regular bushes covered with large white flowers, deliciously sweet..	10
268	**Aurora.** A very striking color, cinnabar-scarlet with a white throat, a most pleasing and lively contrast....	10
269	**Black Prince.** Dark crimson flower, very dark foliage.....¼-oz. 25c	10
270	**Salmon Queen.** 12 in. A beautiful salmon rose color	10
271	**Semi Dwarf Sorts Mixed**.....¼ oz. 20c	05

Tom Thumb Varieties

These grow about 8 inches in height, are splendidly suited for edgings.

272	**Snow Queen** 8 in. Splendid for pots and edging. Beautiful white flowers all summer.....⅛-oz. 25c	10
273	**Fireball** 8 in. The color is the most dazzling scarlet.	10
274	**Tom Thumb,** mixed.....⅛ oz. 15c	05
355	**ARCTOTIS Grandis** ⊙ 2 ft. A very lovely species with greyish foliage, and bearing large daisy-like flowers on long stems rising well above the plant; the blooms are white, with narrow yellow central ring and a pretty lavender disc; a valuable plant for beds and pots..	10
356	**ARGEMONE Grandiflora (The Prickly Poppy)** ⊙ 2 ft. Lovely plants with an ornamental foliage and large handsome Poppy-like flowers, snowy-white filled in the center with golden stamens, very beautiful....	10

For a Good Pink Cut Flower, or Garden Plant, Delicata Snapdragon has no Equal.

357 **ARTEMISIA Saccrorum Viridis (Summer Fir)** ⊙ Ornamental foliage plant introduced from China. Reaches its full size in one year from sowing. As a pot plant it is very pretty, and may also be successfully grown in groups and borders. The foliage is a rich dark green color..... Pkt. 15

384 **ASPARAGUS Plumosus Nanus (Lace fern)** ⌓ 3 ft. Most popular house plant today. The bright green sprays surpass the Maiden-hair Fern in grace and delicacy of texture. The hard seeds need soaking and bottom heat to sprout them. 100 seeds 75c; 50 seeds, 40c; 25 seeds, 25c; 9 seeds..... 10

385 **Hatcheri** ⌓ § A rapid and heavy-growing Asparagus for indoor culture. The foliage is finer than the Asparagus Plumosus, from which it is a selection...10 seeds 25

386 **Sprengeri (Emerald Feather)** ⌓ A very elegant foliage plant for hanging baskets, etc.; the minute flowers, which are produced in pretty racemes, are of a rose color with orange anthers. 100 seeds, 40c; 50 seeds, 25c; 15 seeds..... 10

389 **ASPERULA Azurea Setosa** ⊙ 1 ft. Pretty sweet scented annual with light blue flowers.....¼-oz., 15c 05

ASTERS

During the late summer and early fall the garden is usually a riot of reds and yellows, so the asters in their dainty and distinct colors as well as their many attractive forms are a pleasing addition.

In their improved forms one can scarcely tell them from the Chrysanthemums, to which they bear a striking resemblance.

The long stems make them desirable for cut flowers and the blooms last long in water.

It should be remembered however in regard to Asters that good culture is essential in order to obtain an abundance of fine flowers.

We offer a leaflet on the culture of asters which is supplied free if asked for at the time of ordering.

Dwarf Section. Up to 10 in.

400 **Vaughan's Little Gem.** Neat bushes covered with flowers of the most charming combination of pink and white. A clump or row of them will form a pleasing spot in the garden.....⅛-oz., 40c 15

401 **Vaughan's Snowball.** The best dwarf white aster. The beautiful shape of the snow-white flowers and the free flowering habit of the plants are unequalled in any other dwarf aster.....⅛ oz. 40c 15

402 **Vaughan's Fire Ball.** The most brilliant dwarf aster. It forms a neat, well-formed bush, covered with beautifully shaped flowers of the brightest scarlet; very effective for bedding and for pots.....⅛ oz. 40c 15

403 **Vaughan's Pink Pompon.** The best dwarf pink aster, in every respect like the Snowball, except the color, which is the most brilliant satiny rose, turning lighter toward the edges of the flowers.....⅛ oz. 40c 15

404 **Gloria or Buttonhole.** Very branching and free blooming. The flowers, 1½ inches in diameter, are pure white, with a beautiful scarlet margin. It is the prettiest aster we know of for buttonhole wear or small vases..... 15

Dwarf Queen

This splendid aster makes low, compact, bushy plants, which produce a great number of double, extra large flowers like the Victoria aster, 3 inches across. Excellent for bedding and for pots.

410 **White**
411 **Pink**
412 **Crimson**
414 **Dark Blue**
415 **Flesh**
416 **Lilac**
Each of the above.....⅛ oz. 30c 10
417 **Mixed, all colors**.....⅛ oz. 25c 10

Dwarf Chrysanthemum Flowered

Of very compact growth; 3½-inch flowers; free flowering and later than other varieties, therefore valuable for succession.

418 **White**
419 **Rose**
420 **Scarlet**
421 **Light Blue**
422 **Dark Blue.**
423 **Azure Blue**
425 **Crimson**
426 **Peach Blossom**
427 **White, turning to Azure Blue**
428 **White, turning to Rose**
Each of the above.....⅛ oz. 30c 10
430 **Mixed, all colors**.....⅛ oz. 25c 10

ASTER
King

Semi-Tall Section. 11 in. to 16 in.

Giant Comet

This giant class is an improvement on the old and inferior Comet class, not only in bearing much larger flowers, but the petals are longer and broader. Pkt.

431 **White**
432 **Sulphur Yellow**
433 **Queen of Spain,** soft yellow turning to flesh
439 **The Bride,** white turning to pink
434 **Salmon Rose**
435 **Rose**
436 **Carmine**
437 **Crimson**
438 **Light Blue**
440 **Lavender**
441 **Dark Blue**
Each of the above.....¼ oz. 40c; ⅛ oz. 25c 10
442 **Mixed, all colors**.....¼ oz. 35c; ⅛ oz. 20c 10

Daybreak

The Daybreak class forms strong bushy plants of very even growth. The full round flowers grow on strong, stiff upright stems. Extremely valuable for bedding.

470 **Purity.** Pure white 10
472 **Salmon**..... 10
471 **Daybreak.** Shell-pink..... 10

The Mikado

Petals are narrow, very long and gracefully reflexed. The outer petals show to their full extent, while gradually toward the center they bend and curl on each other in such magnificent disorder as to make the fluffiest aster we have ever seen.

480 **White**.....⅛ oz., 25c 10
481 **Pink Rochester.** Exquisite shade of shell-pink. The official flower of the city of Rochester, New York..... 10

Queen of the Market

The best early aster, usually in full bloom two weeks before most other sorts begin to blossom. Of graceful spreading habit.

485 **White**
486 **Flesh**
487 **Pink**
488 **Crimson**
489 **Scarlet**
490 **Silvery Lilac**
491 **Dark Lilac**
492 **Dark Blue**
Each of the above.....¼ oz. 25c 10
493 **Mixed, all colors**.....¼ oz. 20c 10

If you have never grown the Mikado Aster try it in both colors this year. You will like it.

TALL SECTION

VAUGHAN'S

ASTER
Giant Ostrich Feather

Vaughan's Improved Victoria

Flowers are large, perfectly double, globular and imbricated; plants are of fine pyramidal form, an effective bedding variety.

				Pkt.
500	White	506	Crimson and White	
501	Miss Roosevelt. Primrose changing to flesh	507	Light Blue	
		508	Azure Blue	
		509	Dark Blue	
502	Apple Blossom.	510	Dark Blue and White	
503	Pink			
504	Crimson	511	Indigo Blue on White Ground	
505	Scarlet			
	Each of the above ..... ⅛ oz. 50c			10
512	Mixed, all colors ..... ⅛ oz. 35c			10
513	Imported Collection 12 Varieties			60
514	Imported Collection 6 Varieties			30

Crego

This flower is giant in size, many blossoms six inches across. The petals are nearly double the length of the older varieties and are twisted and curled into a very fluffy effect.

515	White.	517	Rose Pink.	519	Azure Blue.
516	Shell Pink.	518	Lavender.	520	Purple.
	Each of the above ..... ⅛ oz. 25c				10
529	**Vaughan's Beauty.** A splendid red sort resembling the Victoria aster in shape and size of flowers. The color is the brightest red imaginable, with a satiny gloss				10

Carlson or Invincible

The Early Branching Aster. The flowers are large and firm; the stems long and stiff, and the colors are decided and pleasing. The plants grow about 24 in. high and come into bloom about 10 days before the Giant Branching Aster.

				Pkt.
530	White	533	Lavender	
531	Daybreak Pink	534	Violet Blue	
532	Rose Pink			
	Each of the above ..... ⅛ oz. 25c.			10
535	Mixed, all colors ..... ⅛ oz. 20c.			10

Vaughan's Giant Branching

Beautiful asters for cut-flowers. Quite different in several respects from any other aster known. The branching habit is accompanied with great vigor of growth and profusion of bloom. The flowers are very large, very double, borne on long, stiff stems, and the colors clear and handsome.

540	White	545	Crimson	
541	White, Turning to Rose	546	Scarlet	
542	Flesh Pink	547	Lavender	
543	Rose Pink	548	Purple	
544	Cinnabar Carmine			
	Each of the above ..... ⅛ oz. 25c.			10
549	Mixed, all colors ..... ⅛ oz. 20c.			10
560	**Hercules White.** The plants throw very strong stems, which begin branching about 4 in. from the ground and bear at the summit the main central flower, while the side shoots carry 4 to 6 secondary blooms. Flowers are pure white, with long petals, borne on remarkably strong stalks			25

Vaughan's Giant Ostrich Feather

The finest type of the Giant Comet, or Ostrich Feather type of aster. Much larger than the Giant Comet, the petals longer, more twisted, and produced in greater abundance. Borne on long stems, they make cut-flowers par excellence.

563	White	566	Rose	
564	The Bride. White changing to pink	567	Crimson	
		568	Silvery Lilac	
565	Soft Pink	569	Blue	
	Each of the above ..... ⅛ oz. 30c.			10
570	Mixed, all colors ..... ⅛ oz. 25c.			10
571	**Soleil D'or (Golden Sun).** This is the best yellow Aster. The flowers are of good size, they are borne on long stems; the color is a pleasing light yellow			15
572	**Buff Beauty.** A charming Aster of the Giant Japanese section. The flowers are of a beautiful, pale primrose suffused with pink, giving a pretty apricot effect			10
573	**Gypsy Girl.** Large pyramidal shaped bushes about 24 inches high, each individual plant making a large bouquet. The flowers are carried well above the foliage, on long, stiff stems, and are fluffy white. This variety is an especially fine selection from Giant Ostrich Plume.			15

The King

The habit is similar to the popular Giant Branching, vigorous in growth, long stiff stems. In form the flower is entirely distinct from any other variety; petals somewhat resemble the quilled varieties, but are much larger and broader, those in the center being curled and incurved, completely covering the crown. In shape and size the bloom is round, full and very large. See illustration on preceding page.

575	White.	577	Rose.	579	Violet.
576	Pink.	578	Crimson.		
	Each of the above ..... ⅛ oz. 25c				10

Vaughan's Excelsior Mixture of Dwarf Asters.

VAUGHAN'S SPECIAL

525 Many of our customers find it difficult to choose among the strains of all dwarf asters, and where exact heights are not required we recommend planting our **Excelsior Mixture.** It is comprised of the most distinct and desirable colors of the different classes of dwarf asters, and many others not listed especially selected for this mixture, insuring satisfaction to the grower ..... ⅛ oz. 50c; extra large pkt. 25c; pkt 15

ASTERS TALL SECTION

The Royal

A new class of American aster. Its habit of growth is entirely distinct, the stems growing directly from the ground and not on side-shoots from the main stem like other varieties. A medium early bloomer.

585 **White** 587 **Rose Pink** 589 **Purple**
586 **Shell Pink** 588 **Lavender** Pkt.
Each of the above ..... ⅛ oz. 25c. 10

New American Astermum

An attractive and descriptive name for a new race of asters which belong to the Comet family. The plants are of strong upright growth with 12 to 15 strong stems 20 inches long, each carrying a flower of perfect form.

590 **Snow White** 591 **Rose Pink**
592 **Dark Lavender** 593 **Shell Pink**
Each of the above ..... ⅛ oz. 30c 10
594 **Mixed, all colors** 10

Other New American Varieties

595 **Lavender Gem.** One of the most charming sorts. The flowers are of a true lavender shade and the petals are gracefully curled and twisted, and the blooms are borne on long firm stems 15

597 **White Fleece.** A large and early flowering variety of the Comet family, with snowy white flowers which sparkle in the sunlight 15

600 **Peerless Pink.** The flowers are enormous, globular in shape, many five inches across, of a most delightful and pleasing rich shell pink. First flowers appear about the middle of August, but the plant is at its zenith about four weeks later 15

601 **Crimson Giant.** This shade has been one which has seemed to lack intensity of color, but in this variety the blood red blossom is particularly bright and the extreme doubleness of its flowers make a bed of them a mass of oriental splendor in a garden 15

605 **Enchantress Pink.** This is the same color as the well known Carnation. It is a midseason variety and the form of flower while loose, is compact. The inner petals are broad and fold in perfect circles, each petal overlapping the next. The outer petals gradually lose this trait until they stand out straight from the center. 15

610 **Sensation.** Bushy and branching plant about two feet high, flowers double and incurved, resembling a Dahlia and the flower a lively cardinal red. This combination results in a most desirable addition to this family. 15

Mixtures in Variety

611 **White Asters In Mixture.** Composed of all the tall growing white sorts ..... ⅛ oz. 25c 10

620 **Asters, Tall Mixture.** All classes and colors. If one has a large space where the cultivation of flowers is for cut flowers only, we would suggest a liberal planting of this mixture of Asters, and while the newer kinds, such as our Excelsior mixture contains, are lacking, still many charming varieties are included, in this, and the flowers will be in succession from early in the summer to late in the fall ..... 1 oz. 75c; ¼ oz. 25c 05

621 **Asters, Dwarf Mixture, All Classes and Colors.** This is a mixture of many varieties of dwarf sorts and where a large mixed bed of asters is desired this will answer the purpose nicely. Does not contain as many sorts as the Excelsior, but all the standard colors are represented ..... oz. $1.00; ⅛ oz. 20c 05

ASTER—Giant Branching

Single Elegance or Marguerite Aster

Plants strong, vigorous and of handsome pyramidal habit, very free blooming, and produce their beautiful flowers on long slender stems. The flowers are from 2 to 3 inches in diameter, with small yellow centers, and ast a week when cut.

627 **White,** 628 **Lavender,** 629 **Dark Blue,** 630 **Light Rose** Pkt.
Each of the above ..... ⅛ oz. 25c. 10

660 **BALLOON VINE (Love in a Puff)** ⊙ §. A rapid-growing annual climber; flowers white; seed vessels like miniature balloons ..... oz. 30c 05

661 **BALSAM, Apple and Pear Mixed** ⊙ § 10 ft. Very ornamental foliage and yellow fruit, which opens when ripe, showing the seed and the blood-red interior, oz. 35c. 05

Annual Climbers

The Annual Climbers are luxuriant and constant bloomers and grow rapidly from seed, being often the earliest to bloom and longest remembered. We are offering a special collection of these, some of which are bound to suggest themselves to everyone who has a porch, a fence or arbor to cover with beautiful flowers for the summer.

Vaughan's Special Collection "A" Annual Climbers

One regular size packet of each of the following:

Balsam Apple and Pear mixed. **Ornamental Gourds, mixed.**
Balloon Vine. **Morning Glory, Japanese.**
Canary Bird Creeper. **Tall Nasturtium,** Vaughan's Spl. M'xd.
Cypress Vine, mixed. **Sweet Peas, Vaughan's Prize.**
Dolichos, mixed. **Wild Cucumber.**

The 10 Packets for 40c, postpaid.

670 **Annual Climbers Mixed.** The above and many others ..... oz., 25c 10

Vaughan's Excelsior Mixture of Tall Asters

VAUGHAN'S SPECIAL

625 This is a mixture of the most beautiful, striking and distinct colors of all the tall growing asters. Selected from the cream of the tall varieties and others especially purchased for this mixture. This is the finest mixture of **Tall Asters** in existence and the most critical lover of this flower will be astonished at the wide range of colors and varieties given in this truly Excelsior strain ..... ⅛ oz. 50c; extra large pkt. 25c; pkt 15

Double Balsam (Lady Slipper) 1½ to 2 ft.

BALSAM—Vaughan's Invincible Mixed

An old and favorite garden flower, producing its gorgeous masses of beautiful brilliant-colored double flowers in the greatest profusion.

Balsams like the hot sun, rich soil and plenty of water. For perfect development the plants should be set from 12 to 18 inches apart. Transplanting two or three times has the tendency to dwarf the plants into better shape and to make the flowers more double.

675 **Alba Perfecta.** Pure white.
676 **Lemon Yellow.**
677 **Flesh Pink.**
678 **The Queen.** Pale rose.
679 **Prince Bismarck.** Salmon pink.
680 **Crimson.**
681 **Crimson Spotted**
682 **The King.** Brilliant scarlet.
683 **Atrosanguinea Plena.** Flowers and leaves, red.
684 **Solferino.** Striped lilac, white and scarlet.
685 **Lilac.**
686 **Dark Blue.**
Each of the above, ⅛ oz.. 15c; pkt., 05
689 **Double Rose and Camellia-flowered Mixed** ½ oz. 15c; pkt. 05

Pkt.
690 **Vaughan's Invincible Balsams Mixed.** Mixed from separate colors and includes everything that is desirable in Balsams.....¼ oz. 35c 10
691 **Dwarf Balsams Mixed** 8 in. Perfect little bushes with double and semi-double flowers, the colors are pretty and pleasing.....¼ oz. 25c 05
692 **Goliath White** 4 ft. Remarkable for their immense height and extreme doubleness. Excellent for large and striking flower groups.....¼ oz., 30c 10
693 **Goliath Scarlet.** Extremely brilliant, large and very double.....¼ oz., 30c 10
694 **Giant Cream.** A beautiful, rich, creamy, primrose color. Exceedingly double and of fine robust form... 10

696 **BARTONIA Aurea** ⊙ 12 in. Large golden blossoms and ornamental foliage. Valuable for borders and rockeries.....½ oz. 15c 05

Begonia ⌓ 8 to 10 in.

Tuberous-rooted Begonias

For brilliancy of color, duration and profusion of bloom, few plants can compare with the tuberous-rooted begonias offered. For greenhouse decoration and for summer bedding they are unequalled. Seedlings raised in heat early in spring will flower the same summer.

700 **Single Tuberous-Rooted Mixed.** Saved from finest exhibition varieties, all having large well formed flowers of many brilliant shades of color..... 20
701 **Tuberous-Rooted Mixed.** Producing on strong erect stems an abundance of very double flowers ranging from brilliant rose to carmine, often with white margin or mottling, very striking..... 25
702 **Frilled Tuberous-Rooted.** Seed saved from selected, best frilled flowers..... 25
704 **Lloydi.** Pendulous double flowering begonia with flowers of rose, carmine and other shades..... 25
705 **Hybrida Gigantea Duplex.** The petals are in double or triple layers, waved and all shades of color..... 25
706 **Hybrida Fl. Pl. Pendula.** Pretty hanging shoots covered with double flowers in light and dark rose, salmon, carmine and bright red shades..... 25

Begonia Semperflorens

Fibrous-rooted Begonias

A continuous-flowering section of begonias of the greatest value for bedding; the flowers, although small, are of brilliant colors and borne in great profusion from summer to autumn. Seedlings of spring bloom in summer, while seedlings of summer make valuable decorative plants for the greenhouse during winter.

Pkt.
707 **Erfordia.** A very pretty variety, densely covered with handsome flowers of a delicate rose color..... 15
708 **Gracilis Bonfire** 14 in. Large lustrous carmine flowers with handsome metallic-brown foliage..... 15
709 **Gracilis Luminosa.** Large bright scarlet flowers.... 20
710 **Gracilis Mignon** 8 in. The plants are covered with blossoms of a fiery scarlet hue. Foliage soft dark green, spotted and bordered with bronzy red..... 15
711 **Gracilis Prima Donna** 1 ft. Forms a broad, full bush with dense foliage. The flowers are a brilliant clear pink, shading to carmine rose..... 25
712 **Semperflorens Alba.** Pure white..... 10
713 **Semperflorens Atropurpurea Vernon.** Bright orange carmine flowers, deep red foliage..... 10
714 **Semperflorens Mixed**..... 10
715 **Berna.** Flowers large, bright carmine-red..... 15
716 **Rex** ⌓ Ornamental leaved in splendid mixture, 250 seeds 30
730 **BIDENS Atrosanguinea** ⊙ 2½ ft. **(Black Dahlia, or Black Cosmos.)** Produces an abundance of crimson-maroon, velvety flowers, 4 in. in diameter.... 05
731 **Dahlioides.** The flowers are very large, single pink or white with yellow centers, on long stems..... 10

Brachycome Iberidifolia ⊙ 12 in.

(Swan River Daisy)

Free flowering dwarf growing annuals, covered during the greater part of the summer with a profusion of pretty flowers.

737 **White** 739 **Blue**
738 **Pink** 740 **Mixed, all colors**
} Each..⅛ oz. 10c 05

741 **Blue Star.** The plants are models of form and crowned with multitudes of blue daisy-like flowers. The blossoms may be described as star-like Cinerarias. 15
742 **Snow Star.** The flowers appear as snow crystals in a mass of green in midsummer. Grand for edging.... 15
744 **BRIZA Maxima (Quaking Grass), ⊙ 12 in.** Valuable for winter bouquets and wreaths. The seed clusters are heart shaped and gracefully poised on such slender stems that they are almost constantly in motion..... 05

Browallia ⊙ 1 ft.

One of our favorite profuse blooming bedding plants, covered with rich, beautiful winged flowers during the summer and autumn months, supplying a shade of intense blue, very uncommon; grows freely in any rich soil; blooms finely in the winter if lifted in autumn and cut back.

745 **Speciosa Major.** A beautiful flowering variety of the most brilliant ultramarine blue; a rare color; does finely outside in the border or in hanging baskets or in vases, but is especially valuable as a pot plant for winter and early spring flowering..... 10
746 **Elata Mixed.** Blue and white..... 05
748 **BRYONOPSIS Laciniosa** ⊙ § 10 ft. An ornamental climber of the gourd family, bearing green fruit which change in color to bright scarlet striped white..... 05
750 **CACALIA** ⊙ 2 ft. **(Tassel Flower or Flora's Paint Brush.)** A very attractive border plant with brilliant orange-scarlet flowers, which are much prized for bouquets and vases.....¼-oz., 20c 05
751 **CACTUS, Mixed.** All the best kinds..... 10
754 **CALANDRINIA Umbellata** ⊙ 6 in. Flowers dazzling magenta, ½ in. in diameter, produced all summer..... 10
755 **CALCEOLARIA Hybirda Grandiflora (Pouchflower)** Fine Mixed. ⌓ 1½ ft. The gorgeous beauty of these flowers renders them indispensable for greenhoues decoration. 300 seeds..... 25

SPECIAL OFFER B.

Cut Flower collection of annuals.

Aster, Branching Mixed
Centaurea Imperialis, Mixed
Calendula, Orange King
Candytuft, Giant Hyacintb Flowered
Scabiosa, Double Large Flowering Mixed
Zinnia, Colossal Mixed

1 Packet each of above for 30c

Calendula (Pot Marigold) ⊙ 1 ft.

This is the "Marygold" of Shakespeare's time; one of the best and showiest free flowering hardy annuals, growing in any good garden soil, producing a fine effect, in beds or mixed borders, particularly bright in late fall, continuing in bloom from early summer until killed by frost; valuable also for pot culture, blooming freely in winter and early spring. Pkt.

766 **Officinalis Orange King.** The outer petals are slightly imbricated, while those of the center are curved like those of the peony. Color glowing orange. ½ oz. 10c 05
767 **Officinalis Sulphur Queen.** Large sulphur yellow.. 05
768 **Officinalis Meteor.** Apricot-orange, striped primrose, 05
769 **Pongei Flore Pleno.** Double white flowers..... 05
770 **Mixed, all colors.** For woodlands, wild gardens. ½ oz. 10c 05

California Poppy. See Eschscholtzia.

Calliopsis (Tickseed) 6 in. to 2 ft.

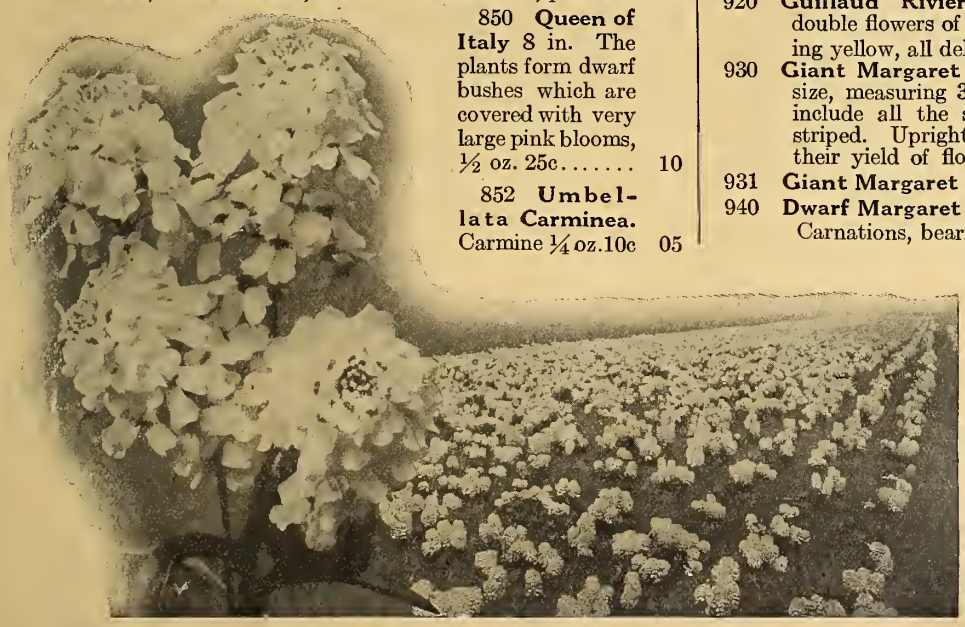
Very graceful border plants, supplying throughout summer an abundance of elegant showy flowers which are greatly prized for bouquets and vases. They will thrive anywhere, even in city gardens, where their bright colours are highly appreciated.

780 **Crown of Gold (Coronata Maxima.)** Splendid cut-flower. Pure golden yellow, 2 to 3 inches across, on long wiry stems; hardy and blooms nearly all season.. 10
781 **Golden Ray** 6 to 8 in. Flowers golden yellow with dark purplish-brown center.....½ oz., 25c 10
782 **Drummondi, Golden Wave** 2 ft. Flowers yellow with a circle of rich crimson-brown around the eye, ¼ oz. 10c 05
783 **Hybrida Superba.** Forms dense bushes desirable for pots, groups and borders.....½ oz., 25c 10
784 **Radiata Tigrinia, (Tiger Flower)** 6 to 8 in. Flowers large reddish-brown, turning golden-yellow. ½ oz., 25c 10
785 **Tall Varieties, Mixed.** Valuable for wild gardens, etc., and for cutting.....¼ oz. 10c 05
787 **Dwarf Varieties, Mixed.** Valuable for small mixed beds and borders.....¼ oz. 10c 05
790 **Double Mixed, all colors**.....¼ oz. 10c 05
800 **VAUGHAN'S SPECIAL MIXTURE.** This is the most pleasing mixture offered. It contains all the desirable sorts and colors of these beautiful flowers. A great number of kinds have been especially selected for it.....½ oz. 30c 10
840 **CANARY BIRD VINE** ⊙ § 15 to 20 ft. Neat and attractive climber, yellow flowers freely produced with tender green foliage.....½ oz. 15c; 1 oz. 25c 05

Candytuft ⊙

These Candytufts are of fine habit and profuse bloomers. They soon flower from seed and remain long in beauty. For massing in flower beds and borders and for edgings they are admirably adapted, while for cutting the flowers are greatly prized.

845 **Giant Hyacinth-Flowered White.** 1 ft. A grand border plant, bearing very large bold spikes of snowy white flowers, habit sturdy and compact;...¼ oz. 25c 10
848 **Snowflake** 7 in. The plants form very neat, round bushes, covered with pure white flowers....¼ oz. 20c 10
850 **Queen of Italy** 8 in. The plants form dwarf bushes which are covered with very large pink blooms, ½ oz. 25c..... 10
852 **Umbellata Carminea.** Carmine ¼ oz. 10c 05



CANDYTUFT—Vaughan's Hyacinth-flowered.

CANDYTUFT—Cont.

854 **Umbellata Purpurea.** Crimson. ¼ oz., 10c..... Pkt. 05
856 **Umbellata Lilacina.** Lilac..... 05
857 **Dwarf Hybrids Mixed.** Plants of fine compact growth, covered with large flowers ranging in color from rose, salmon, coral-pink and delicate blush, to lilac and purple crimson; valuable for borders and cutting.. 10
860 **Mixed, all colors.** Lb. $1.00; ¼ lb. 35c; oz. 15c; ½ oz. 10c..... 05

CALLIOPSIS (Tickseed)

Canna 2½ to 8 ft.

900 **Giant-Flowered, Mixed.** (For remarks see page 113) Pierce the seed in one spot with a file and soak in luke warm water for 24 hours before sowing. Named Cannas do not come true from seed, so we only offer the seed in mixture .....1 oz. 35c; ½ oz. 20c 10

Carnations ⊙ ⊙

The Carnation has long been prized as a hardy border flower, and it certainly deserves all the praise lavished upon it. Being hardy, free-flowering, and easily grown either in flower-beds, borders, or pots, it is one of the most valuable and beautiful of our summer flowers and a favourite with everyone. Plants raised from seed bloom more profusely than propagated plants, and are therefore to be preferred.

910 **Chabaud Mixed.** A remarkable strain raised by a Carnation specialist in southern France. Blooms in 5 months after being sown, and continues to flower indefinitely in the greatest profusion.....100 seeds 15
911 **American Hybrids.** A valuable race of large-flowered carnations, bearing their handsome blooms on long wiry stems for a long time in succession.....25 seeds 25
912 **McKinley.** A brilliant scarlet variety..... 15
914 **Marie Chabaud.** Pure canary yellow.....50 seeds 25
918 **Glowing Coal.** Intense brilliant scarlet.....50 seeds 25
920 **Guillaud Riviera Market.** Producing nearly all double flowers of fine form and delicate shades, including yellow, all delightfully fragrant..... 25
930 **Giant Margaret Mixed.** The flowers are of very large size, measuring 3 in. or more in diameter; the colors include all the shades of white, pink, crimson and striped. Upright growth requiring hardly any support, their yield of flowers is wonderful.....100 seeds 15
931 **Giant Margaret White** .....50 seeds 15
940 **Dwarf Margaret Mixed.** A verybeautiful race of dwarf Carnations, bearing a profusion of clove-scented flowers of rich and delicate colors. Seed sown in February flowers out of doors in July.....100 seeds. 10

950 **Margaret, Double Mixed.**
952 **White** 956 **Pink**
954 **Yellow** 958 **Striped**
960 **Red**
Each of the above. ⅛ oz. 30c 05

975 **VAUGHAN'S SPECIAL MIXTURE.** This is a mixture of the best strains. The plants will bloom the first summer and will produce many flowers equal to the best florists' Carnation. They may be lifted in Sept., potted and will bloom all winter in the house. 100 seeds 25

CENTAUREA IMPERIALIS

Celosia Cristata (Coxcomb), Dwarf ⊙ 8 in.

Very popular annuals of easy culture, producing large, ornamental, comb-like heads like ruffled chenille. Prized for pots or summer flower beds.

		Pkt.
1010	**President Thiers.** Fine dwarf habit, with bronzy foliage, and large handsome velvety crimson combs....	10
1012	**Fire King.** Rich fiery orange scarlet.....⅛ oz., 75c	10
1014	**Empress.** Blood red combs and brown foliage.....	10
1016	**Aurea.** Golden yellow combs.....⅛ oz., 75c	10
1018	**Rosea.** Pink combs.....⅛ oz., 75c	10
1019	**Dwarf Mixed.** All the above and others....⅛ oz. 30c	10
1020	**Imported Collection 6 Varieties**.....	25
1021	**Tall Coxcomb Mixed**.....¼ oz. 15c	05

Tall Feathered Varieties, 2½ to 3 ft.

These stately plants are considered among the most ornamental, and should not be omitted in any garden. They generally form pyramidal bushes branching out in candelabra shape, and the numerous massive plumes which resemble ostrich feathers, wave gracefully above the foliage.

1022	**Plumosa Aurea.** Orange Ostrich Plume....⅛ oz., 25c	05
1024	**Coccinea.** Crimson Ostrich Plume.....⅛ oz., 25c	05
1025	**Mixed, all colors**.....¼ oz. 15c	05
1027	**Pride of Castle Gould.** Plants grow compact and pyramidal and produce immense flower heads, resembling willow plumes in many remarkable shades.....	25
1030	**Plumosa Thompsoni Magnifica.** A choice strain of the Ostrich Plume Celosias.....¼ oz. 25c	10
1038	**CENTAUREA Americana Alba** ⊙ 2½ ft. Star Thistle. Grows to a large size in one season and the immense heads of double fluffy blooms are quite as showy in flower borders as Hollyhocks. Almost pure white....	10
1039	**Americana.** Although this charming lavender Centaurea has been offered by us for many years it has never attained the popularity which its beauty deserves....	10

Centaurea Cyanus (Bachelor's Button) ⊙ 2 ft.

Known as Ragged Sailor or Cornflower. It is not a pretentious plant but will always charm by its simple beauty. Re-seeds itself and may be used for naturalizing purposes with the English Scarlet Field Poppy.

Single Flowering Varieties

1041	**White**	1044	**Blue Emperor**
1041a	**White and Blue**	1044a	**Black Blue**
1042	**Blood Red**	1045	**Lilac**
1043	**Rose**		Each of the above 10
1046	**Mixed, all colors** ½ oz., 15c		05

CENTAUREA Cyanus—Continued

Double Flowering Varieties

				Pkt.
1047	**White**	1050	**Blue**	
1048	**Blood Red**	1051	**Double Mixed**.....	05
1049	**Rose Pink.** Lawson Pink		Each of the above	10
1052	**Dwarf Victoria.** 9 in. For pots and edging, blue....			10
1055	**VAUGHAN'S SPECIAL MIXTURE of Bachelor Buttons,** double and single varieties.....1 oz. 30c			10

Imperialis (Giant Sweet Sultan), 2½ ft.

This beautiful class is undoubtedly the finest of all Sweet Sultans for cut flower purposes. The beautiful sweet scented, artistic shaped flowers are borne on long, strong stems, and when cut will stand for several days in good condition.

1064	**White.**	1066	**Lilacina.** Dark Lilac.
1065	**Favorita.** Brilliant Rose	1067	**Splendens.** Purple crimson
	Each of the above. ¼ oz., 30c.....		10
1068	**Mixed, all colors**.....¼ oz. 25c		05
1069	**Moschata Mixed.** Sweet Sultan, white, red and blue.		05
1070	**Suaveolens.** Yellow Sweet Sultan, 1 oz. 35c; ½ oz. 20c		05
1075	**VAUGHAN'S SPECIAL MIXTURE** is composed of all the annual Centaureas, and a packet will produce the loveliest cut flowers all summer.....1 oz. 50c; ½ oz. 30c		10
1078	**CENTAUREA Candidissima** ⌓ 10 in. Thick silvery white leaves, used for bedding purposes.....		10
1080	**CENTAUREA Gymnocarpa (Dusty Miller)** 1 ft. Foliage finely cut of silvery gray color, used for bedding.....		05
1082	**CENTROSEMA Grandiflora (Butterfly Pea).** ⊙ § ⌓ 10 ft. Pea-like flowers, purple and white....		05

Chrysanthemum ⊙ 2½ ft.

Showy and effective garden favorites, extensively grown for cut flowers. The hardy annuals are summer flowering border plants, good for pot culture and quite distinct from the autumn flowering varieties.

Single Flowering Varieties

1088	**Morning Star.** Primrose with golden yellow center.	05
1089	**Evening Star.** Large golden yellow flower..⅛ oz. 15c	05
1090	**Carinatum, Eclipse.** Yellow with dark brown disk...	05
1092	**Golden Feather.** Foliage striking yellow; flower with a crimson ring near center.....¼ oz., 15c	05
1094	**The Sultan.** Crimson maroon.....¼ oz., 15c	05
1095	**Silver Queen.** Flowers pure white with a zone of clear bright yellow overlaid with silver.....¼ oz., 15c	10

Double Flowering Varieties

1096	**Double White**	1098	**Dbl. Sulphur Yellow**
1097	**Double Golden Yellow**	1099	**Dbl. Fine Mixed.**
	Each of the above.....¼ oz. 15c		05
1102	**Inodorum Plenissimum, Bridal Robe.** 10 in. These sturdy little plants throw out their finely cut foliage from the base and deck themselves with a mantle of extra double pure white flowers.....⅛ oz., 40c		10
1110	**VAUGHAN'S SPECIAL MIXTURE of Annual Chrysanthemums.** Single and double sorts in finest mixture, including many new varieties not catalogued above.....½ oz. 25c		10

The following are valuable for Winter-flowering in Pots:

1112	**Frutescens** ⌓ Paris daisy or Marguerite. Large white star-shaped flowers.....⅛ oz., 15c	10
1114	**Chinese and Japanese Varieties Mixed.** If the seed is sown in February or March, and properly treated, the plants will bloom profusely next fall....100 seeds	15

Cineraria ⌓ 18 in.

As decorative and ornamental plants for winter decoration the Cinerarias take a foremost place, and their handsome flowers may be enjoyed by any one possessing an ordinary greenhouse where frost is excluded.

1125	**VAUGHAN'S COLUMBIAN MIXTURE.** This is a mixture of the finest English, French and German strains; the flowers are very large, from 7 to 9 inches in circumference, brilliant colors..	25
1128	**Hybrida Good Mixed**.....	05
1130	**Maritima, Diamond.** For bedding, not for flowers..	10

Clarkia ⊙ 2 ft.

Clarkias are popular summer annuals, all perfectly hardy, and can be grown with the utmost ease in ordinary soil. They flower profusely, and are exceedingly bright and attractive, especially in large masses.

1131	**Brilliant.** Double flowers, produced on long spikes, of a brilliant salmon scarlet.....¼ oz., 30c	10
1132	**Scarlet Queen.** The flowers are a double salmon orange and develop to a glowing orange scarlet..⅛ oz.,25c	10
1133	**White Prince.** Very double pure white.....¼ oz.,30c	10
1134	**Elegans, Double and Single Mixed** .....1 oz. 25c	05

Pkt.

1135 **CLEOME Pungens (Spider Wort)** ⊙ 5 ft. A showy garden annual producing curious heads of flowers of bright rose color with long antennae-like stamens; of easy cultivation, blooming early until late. (See illustration) ..... ½ oz. 25c 10

1136 **CLIANTHUS Dampieri (Glory Pea of Australia),** ⌓ 2 ft. Clusters of bright red flowers with black spot... 10

1140 **COBAEA Scandens (Cathedral Bells)** ⊙ § 30 ft. One of the handsomest and rapid growing climbers. The flowers are bell-shaped and of a purplish-lilac. A very vigorous and prolific bloomer..... ¼ oz. 15c 05

1142 **Flore Albo.** White..... ¼ oz., 30c 10

1145 **Mixed.** White and blue..... 10

1146 **COCCINEA Indica** ⊙ § A remarkably pretty annual climber; luxuriant Ivy-like foliage; small flowers followed by numerous fruits 2 inches long, which turn to brilliant scarlet, spotted with white..... ⅛ oz., 25c 10

1148 **COIX Lachrymae (Job's Tears)** ⊙ 2 to 4 ft. The seed is frequently used as an old-fashioned remedy for sore throat, goiter and teething babies. It is strung on a linen thread and worn around the neck as a chain..... 1 lb. 60c; ¼ lb. 20c; 1 oz. 5c

1150 **COLEUS, Vaughan's Mammoth Rainbow Mixture** ⌓ 2 ft. The handsomest foliage plant obtained from seed. The leaves often measure 10 inches in length and 8 inches in width, heart shaped and handsomely crimped, toothed and frilled; their color combinations are remarkably rich, comprising all the reds, metallic greens and yellows to nearly black 15

VAUGHAN'S SPECIAL

1152 **Fine Mixed**..... 05

1154 **COLLINSIA Mixed** ⊙ 18 in. All species are brightly colored and excellent for growing in clumps... 1 oz. 25c 05

1156 **COMMELINA Sellowiana** ⌓ 1 ft. Plants are of graceful trailing habit, superb for carpet bedding or for hanging baskets. In pots it blooms every day in the year. In the garden from May until frost, showing daily scores of large winged butterfly-like blossoms of dainty blue color..... ⅛ oz., 50c 10

Convolvulus (Morning Glory) ⊙ §

Major—Tall Varieties

The Morning Glory is too well known to need a description, and one seldom finds a more satisfactory vine. The amateur gardener can be sure of a fresh supply of bright colored, delicately tinted flowers.

1160 **White** 1163 **Striped**
1162 **Crimson** 1164 **Blue**
Each of the above ..... 1 oz. 20c 05

1165 **Mixed, all colors**..... 1 lb. $1.00; ¼ lb. 30c; 1 oz. 15c 05

1166 **Imported Collections.** 8 varieties..... 20

1168 **Double Mixed.** The flowers are double and semi-double and some are fringed, which give an appearance of a double flower..... 1 oz. 15c 05

1169 **Mauritanicus.** Blue flowers; for hanging baskets..... 05

Minor—Dwarf Varieties 1 ft.

Are very showy and beautiful hardy annual for flower beds and borders, also rockwork; they bloom for a long period and delight in sun.

1170 **Blue**..... 1171 **Rose Queen**..Each 1 oz. 20c 05

1172 **Mixed, all colors**..... lb. $1.25; 1 oz. 15c 05

1173 **COSMIDIUM Orange Crown** ⊙ 2 ft. The flowers are golden-yellow with a broad circle of a rich orange around the disk, a pleasing combination. Plants produce a succession of bloom throughout the summer and the flowers last well in water..... ⅛ oz., 25c 10

Cosmos ⊙ 4 to 6 ft.

This beautiful annual is one of the most showy and useful of our garden plants. Plants are very bushy and compact. Flowers borne on long delicate stems and are similar to single Dahlias. Foliage very finely cut. Excellent for cutting.

Early Flowering

These are the only kind we would recommend planting north of the latitude of Middle Illinois, as the late, or Giant flowered varieties are nearly always caught by early frost.

1180 **White**... 1182 **Pink**... 1183 **Crimson**..Each 10

1185 **Mixed, all colors**..... ½ oz. 30c 10

Late or Giant Flowered

For sowing south of the latitude of Middle Illinois.

1186 **White.** (Pond Lily) ..... ½ oz. 15c 05

1187 **Pink.** (Pink Butterfly).. 1188 **Crimson**..½ oz. 15c 05

1189 **Klondyke.** A gorgeous orange-yellow flower with very handsome foliage more coarsely laciniated than others. 10

CLEOME PUNGENS (Giant Spider Plant).

Cosmos—Continued

Pkt.

1190 **Lady Lennox.** Flowers, shell-pink..... ½ oz. 25c 10

1191 **Marguerite.** Fringed, finest mixed 10

1192 **Striped.** Large white centers, petals striped white.... 10

1195 **Giant Mixed**..... 1 oz. 25c; ½ oz. 15c 05

1202 **CUPHEA Platycentra (Cigar Plant)** ⌓ 10 in. Small scarlet and black tubular flowers; dark green foliage... 20

Cyclamen (Alpine Violet) ⌓ 1 ft.

Charming house plants, with beautiful foliage and rich colored, fragrant flowers; universal favorites for winter and spring blooming. May be successfully raised from seed with a little care and patience.

Giant German Grown

1205 **Pure White** (Mont Blanc) 1206 **Dark Crimson**
1207 **Rosa von Marienthal** (Daybreak Pink)
1208 **Dark Rose** 1209 **White, with Carmine Eye**
Each of the above ..... 10 seeds 15c; 100 seeds 75c ..

1210 **Giant Flowered Cyclamen. Mixed, extra choice**... 10 seeds 15c; 20 seeds 25c; 100 seeds 65c ..

Giant Orchid Flowered

These are exceptionally fine, with large flowers that are frilled and fringed in wonderful fashion.

1211 **Pure White** 1212 **Red** 1213 **Pink**
1214 **White, with Carmine Eye** 1215 **Lilac**
Each of the above..... 10 seeds 15c; 100 seeds $1.00

1216 **Giant Orchid Flowered Cyclamen. Mixed, extra choice**..... 15 seeds 15c; 100 seeds 90c ..

Giant English Grown

1217 **Princess May.** Pale pink. 1219 **Mauve Queen.** Mauve.
1220 **Duke of Fife.** Dark rose. 1221 **Salmon King.** New color.
1222 **Rosy Morn.** Delicate rose color. Claret base.
1223 **Grandiflora Alba.** The largest giant white grown.
1224 **Excelsior.** White, with red base.
Each of the above..... 10 seeds 20c: 100 seeds $1.50 ..

1225 **Saint George.** The foliage is beautifully margined silver, not unlike Begonia Rex, flowers rich salmon..... 10 seeds, 30 cts. 25 seeds 75

1226 **Mrs. L. M. Graves.** The color is an intense and brilliant salmon scarlet ..... 10 seeds, 50

DIANTHUS (Garden Pinks)

1227 **CYPERUS Alternifolius (Umbrella Plant)** ⌂ Pkt.
1½ ft. Grows finely in water with rich soil or mud, throwing up long spikes with narrow green leaves, umbrella shape..... 10

Cypress Vine ⊙ § 10 ft.

For training upon a light ornamental trellis the Cypress Vine cannot be excelled. It has a profusion of scarlet or white star-shaped blossoms, and its finely cut foliage is particularly adapted to ornamental work.

1228 **White**..... 1229 **Crimson**...½ oz. 15c 05
1230 **Mixed**.....½ oz. 10c 05
1231 **Ivy-Leaved Scarlet.** A rapid growing variety with deeply lobed, ivy-like leaves, and small scarlet flowers 05

Dahlia ⊙ 4 ft.

But few people know Dahlias can be raised from seed and will bloom the first year. The seeds germinate as easily and certainly as Zinnias, and from the very first development are strong and sturdy little plants. Plant them in a shallow box or pan early in March or April, transplant them carefully as their growth demands, and keep the soil moderately moist. When all danger from frost is over, plant them in the bed or border in the garden, and from then on they will prove no more trouble than if the tubers had been used instead of seed.

Single Flowering

1232 **Collarette, Mixed Colors.** Flowers of various colors, adorned with a collar of small petals around the center, novel and beautiful.....¼ oz. 30c 10
1233 **Colossal.** The flowers are composed of three or more whorls of wide overlapping petals—one above the other. Stems are long and rigid, bearing flowers well above the foliage; the colors are rich and varied...¼ oz. 30c 10
1234 **Twentieth Century.** Immense single flowers, 4 to 6 inches across, white, marked carmine and pink; very handsome.....⅛ oz. 30c 10
1235 **Giant Perfection Mixed.** The plants are of strong, robust habit, and produce in great abundance flowers of immense size, of the most bewildering variety of color.....¼ oz. 25c 10
1236 **Exhibition Mixed.** A very choice selection from large single flowers, with broad-edged petals in various colors 10

Dahlia—Double Flowering.

Pkt.

1237 **Double Good Mixed**.....¼ oz. 30c 05
1238 **Double Cactus Flowered Mixed.** With twisted and curled petals.....¼ oz. 35c 15
1239 **Double Best Mixed.** Saved from show and fancy sorts. 15
1240 **VAUGHAN'S SPECIAL MIXTURE.** This mixture contains seeds from the best collections in Europe and embraces all the various strains of double-flowering Dahlias, such as Show, Pompon, Liliput and Cactus varieties, also the single flowering and striped sorts.....60 seeds 25

Datura (Angel's Trumpet) ⊙ 3 ft.

Handsome plants for subtropical bedding in summer, having large trumpet-shaped fragrant flowers. They should be given a light soil and a sunny sheltered position. Make grand pot plants for the greenhouse.

1242 **Cornucopia (Horn of Plenty).** Immense flowers, triplicate in form, like three cones, one within the other, color rich violet, with white interior. ¼ oz. 20c 10
1243 **Golden Queen.** Very large double bright yellow flowers, a fine pot plant.....¼ oz. 20c 10
1244 **Double White**.....¼ oz. 15c 05
1245 **Double Fine Mixed**.....¼ oz. 15c 05

Delphinium (Larkspur) ⊙

These handsome Larkspurs are very effective in borders and planted amongst shrubs. The graceful spikes of bloom are much valued for vases. They continue long in bloom. The **Emperor, Hyacinth-flowered** and **Branching varieties** bloom a little later than the **Stock-flowered.** Sow seed in the open border either in early spring or late fall so germination may take place very early in the spring.

1261 **Stock-Flowered Lustrous Carmine**
1262 **Flesh Color** 1264 **White** 1266 **Bright Rose**
1263 **Lilac** 1265 **Dark Blue** 1267 **Violet**
Each of the above.....¼ oz. 30c; 1 oz. $1.00 10
1268 **Imported Collection.** 6 varieties Larkspur, Stock-flowered..... 25
1269 **Giant Hyacinth-Flowered Mixed** 3 ft. Derives its name from the striking resemblance of the flowers to a double Hyacinth. Delicate colors. ¼ oz. 15c; 1 oz. 50c 05
1270 **Tall Rocket Mixed** 2½ ft. Throws up one single column of bloom.....¼ oz. 10c; 1 oz. 25c 05
1275 **Dwarf Rocket Mixed** 1 ft.....¼ oz. 10c; 1 oz. 25c 05
1276 **Emperor, Azure Blue** 1278 **Dark Blue**
1277 **Blackish-blue** 1279 **Violet**
Each of the above..... 10
1280 **Emperor Mixed.** Produces an abundance of long, slender spikes in the most delicate colors...¼ oz. 10c 05
1285 **VAUGHAN'S SPECIAL MIXTURE,** Annual Larkspurs. A charming mixture containing all the bright and delicate shades, makes wonderful cut flower material and should be planted generously.....¼ oz. 30c 10

Dianthus (Garden Pinks) ⊙ 1 ft.

A popular annual variety known to nearly all. The flowers are distinguished for their brilliant, contrasting variety of colors appearing in each flower. The stripes and spots make the clusters stand out distinctly.

Single Flowering

1318 **Crimson Belle.** Large handsome flowers, crimson.... 05
1319 **Eastern Queen.** Large and beautiful flowers, marbled rose and white.....¼ oz. 20 05
1320 **Japan Single Mixed.** Great range of colors. 05
1321 **Mirabilis.** Single Wonder Pink. The petals are deeply cut into fine strips of threadlike fringes. All shades from pure white to deep purplish red.....¼ oz. 25c 05
1322 **Laciniatus Mixed.** Single fringed flowers...¼ oz. 20c 05
1323 **Chinese Single Mixed**.....¼ oz. 15c 05
1324 **The Bride.** White with purple center.....¼ oz. 25c 05
1325 **Vesuvius.** Bright geranium red.....¼ oz. 25c 05
1326 **VAUGHAN'S SPECIAL MIXTURE, Single Pinks.** This is a selection from the choicest sorts in cultivation. The flowers are extraordinarily large, of handsome form, and embrace the most beautiful colors, ranging from white to the most delicate pink and deep glowing crimson. ¼ oz. 15c 10

Double Flowering

1327 **Chinensis Double Mixed.** Blooms in clusters, flowers very double and in a large range of colors..¼ oz. 10c 05
1328 **Count Kerchove.** Dark red double flowers, each petal having a velvety black blotch.....⅛ oz. 25c 10
1329 **Diadematus Double Mixed.** Beautiful flowers in various shades with the outer edges fringed and almost white.....¼ oz. 25c 05

Perennial Delphiniums and Hardy Garden Pinks are offered on pages 92 and 93.

ESCHOLTZIA (California Poppy)

Dianthus, Double Flowering—Cont.

Pkt.

1339 **Imperialis, Double Mixed.** Bushy grower..¼ oz 20c 05
1340 **Laciniatus, Double Mixed.** Flowers deeply laciniated 05
1341 **Mirabilis Flore Pleno. (Double Wonder Pink).** Flowers are like fringed balls in many attractive colors. 10
1342 **Mourning Cloak.** Flowers very dark velvety crimson, each petal being strikingly edged white.....⅛ oz. **20c** 05
1343 **Fireball.** Scarlet, compact, floriferous.....⅛ oz. **30c** 10
1344 **Snowball.** Compact, fringed white flowers..⅛ oz. **25c** 10
1345 **VAUGHAN'S SPECIAL MIXTURE of Double Pinks.** Selection of the best double pinks in cultivation. Flowers ranging in color through all the brightest and most brilliant shades, plain edged and fringed.....¼ oz. 15c 10
1350 **VAUGHAN'S SPECIAL MIXTURE of Double and Single Pinks.** This magnificent mixture contains the cream of the Dianthus family and unexpected results may be obtained by planting a package. We cannot recommend this mixture too highly.....¼ oz. 15c 10
1380 **DIDISCUS Coeruleus** ⊙ 3 ft. An unknown plant which ought to be grown more frequently. Long stemmed lavender flowers; look like blossoms of Wild Carrot or Queen's Lace Handkerchief. A constant bloomer. The culture is not at all difficult, only the seed is somewhat slow in germinating. To be sown in a medium hot frame, like Phlox or Verbenas in February, or March. Seed will germinate after about 4 weeks. Keep frame closed until the seedlings form their leaves, then give plenty of air when weather permits. To be planted out in May in partial shade. 10
1383 **DIMORPHOTHECA Aurantiaca. (Golden Star of the Veldt.)** ⊙ 1 ft. Rare and very showy annual from South Africa, having daisy-like flowers of a glossy salmon-orange shade with black central ring, a lovely color when flowers open in the sun....¼ oz. 30c 10
1384 **Aurantiaca Hybrida.** They vary in color from the purest white to red and blush, white tints, sulphur, lemon, and bright golden yellow, light orange, reddish-yellow changing to pale salmon rose..... 15

Dolichos (Hyacinth Bean) ⊙ § 10 ft.

A rapid growing annual climber, flowers freely in erect racemes, followed by ornamental seed pods. Sweet scented.

1385 **Princess Helen (Daylight).** Snow white flowers followed by silvery white seed pods.....1 oz. 25c 05
1390 **Purple Soudan (Darkness).** Attractive rose-violet flowers with dark ruby-purple seed pods.....1 oz. 25c 05
1391 **Bush.** Dwarf White..... 10
1392 **Lignosus (Australian Pea Vine.)** A rapid growing evergreen climber, flowering freely in clusters of rose pea-shaped flowers..... 10
1395 **Mixed, all colors**.....2 ozs. 35c; 1 oz.20c 05
1396 **DRACAENA Indivisa** ⌓ 2 ft. Ornamental leaved plants; long narrow, green leaved foliage..... 10
1397 **Indivisa Lineata**.....¼ oz. 15c 10
1398 **Indivisa Latifolia**.....¼ oz. 25c 10
1399 **Australis**.....¼ oz. 25c 10
1400 **DRACOCEPHALUM Moldavicum** ⊙. A showy annual producing long spikes of bright blue flowers ....oz. 30c 05
1402 **ECHEVERIA Mixed (Hen and Chickens)** ⌓ 4 in. Used largely in cemeteries for carpet bedding. Seeds very tiny.....100 seeds 25c; 25 seeds 10

ERYSIMUM. Handsome showy border and rock plants, much resembling Wallflowers; of great value for spring bedding.

1403 **Arkansanum.** Fine showy bright yellow flowers..... 10
1404 **Perofskianum.** Flowers fragrant, brilliant orange and very showy in beds, borders, and on rock-work. Sow out of doors March and April for summer display, and in early autumn for spring decoration..... 10
1414 **ERYTHRINA Crista Galli (The Coral Tree.)** ⌓ 4 ft. A grand plant for south walls with protection, and for subtropical gardening. Produces in summer handsome racemes of rich deep scarlet flowers..... 10

Escholtzia (California Poppy) ⊙ 1 ft.

The State flower of California. A bright free-flowering plant of low spreading growth with finely cut silvery foliage. The poppy-like flowers in pure shades of yellow, orange and crimson are produced from early spring until frost. Sow the seed where the plants are to remain.

1416 **Californica.** Large pale yellow, ¼ lb. 35c; 1 oz. 15c 05
1418 **Carmine King.** Beautiful carmine rose color, both on the interior and exterior of the flower .....½ oz. 30c 10
1420 **Dainty Queen.** The color is a pale coral pink, slightly deeper towards the edges, with a ground work of delicate cream Pkt..... 10
1422 **Golden West.** Flowers bright yellow and orange, penciled and blotched..½ oz. 25c....Pkt. 05
1424 **Mandarin.** Inner side of the petals rich orange, the outer side brilliant scarlet..½ oz. 15c.....Pkt. 05
1425 **Mixed, all colors.** Many shades. ¼ lb. 35c; 1 oz. 15c..Pkt. 05
1426 **Double and Semi-Double Mixed**.....¼ oz. 15c.....Pkt. 10
1428 **Maritima.** Canary yellow with orange center, leaves grayish and finely cut..Pkt. 05

DIDISCUS Coeruleus

1430 **VAUGHAN'S SPECIAL MIXTURE.** This mixture includes all the varieties here catalogued of the double and single sorts and is the most complete mixture of these charming annuals in existence.....1 zo. 40c; ½ oz. 25c; Pkt. 10
1432 **EUCALYPTUS Globulus (Blue Gum)** ⌓. Admirable for sub-tropical bedding or greenhouse decoration. Pkt. 10

GAILLARDIA—Lorenziana

Euphorbia ⊙ 2 ft.

Pkt.

Strong growing annuals. suitable for beds of tall growing plants or mixed borders; the flowers are inconspicuous; the foliage, however, is exceedingly ornamental.

1436 **Heterophylla (Mexican Fire Plant).** Annual poinsettia resembling in habit and color the beautiful hothouse poinsettia. The plants are of branching bush-like form, with smooth, glossy green leaves. About midsummer the center top leaves of each branch turn a vivid orange scarlet.....¼ oz. 15c 10

1438 **Variegata (Snow on the Mountain or Mountain Spurge).** 2 ft. Remarkably distinct plant; very showy with its foliage edged white and green..... 10

1440 **EVERLASTINGS. Mixed** ⊙ 1 to 2 ft.....¼ oz. 15c 10

For named sorts of Everlastings see Acroclinium, Ammobium, Gomphrena, Helichrysum, Rhodanthe Xeranthemum, Lunaria and Statice,

FOUR O'CLOCK.—See Mirabilis.

1446 **FUCHSIA Hybrida (Ladies' Eardrop), Double and Single Mixed** ⌓ 1 to 4 ft. Well known greenhouse plant, blooms from seed first year if planted early .. 20

Gaillardia (Blanket Flower) ⊙ 1½ ft.

They will produce from early spring until late fall a continuous profusion of brilliantly colored flowers, red and yellow predominating. Of easy culture, sow where they are to remain.

1447 **Amblyodon.** A strong-growing, half-hardy annual. Flowers deep red..... 10

1448 **Picta Single Mixed**.....¼ oz. 15c 05

1450 **Lorenziana Double Perfection Mixed.** Large handsome heads of double quilled flowers in rich shades of red and yellow.....¼ oz. 20c 05

1451 **The Bride.** Double white..... 10

1462 **GAURA Lindheimeri** ⊙ 3 ft. A graceful plant bearing numerous spikes of rosy white flowers from July until frost. This is largely used throughout Europe for interspersing in beds of Begonias, Geraniums, etc., giving an air of grace to what would otherwise be stiff. 10

Geranium ⌓ 1 to 2 ft.

These grow readily from seed the first year and produce blooming plants the first summer. There is a great deal of pleasure in watching them develop from seed, and there is always the chance of thus securing something new. Pkt.

1465 **Zonale Varieties.** Saved from the choicest collections. 10

1466 **Large Flowering, Newest Varieties Mixed.** 50 seeds 15

1467 **Apple-scented.** Leaves fragrant.....25 seeds 10

1468 **Lady Washington** (Odier). Large flowering, beautifully blotched.....25 seeds 20

1469 **GERBERA Jamesoni Hybrids.** ⊙ The flowers bear long graceful petals with small eye. This strain comprises a great variety of pleasing shades.....10 seeds 25

1471 **GILIA Mixed** ⊙ 1 ft. Exceedingly graceful early flowers and valuable for bees. Charming in the flower border and for cutting in spring and summer.....1 oz. 20c 05

1472 **GLAUCIUM Luteum (Horn Poppy)** ⊙ 3 ft. The ornamental glaucous grey foliage of the Horned Poppy is set off by very showy yellow flowers. A fine plant for wild gardens, etc., delighting in poor sandy soil.... 05

1475 **GLOXINIA. Vaughan's International Mixture** ⌓ 12 in. Magnificent house blooming plants, with handsome bell-shaped flowers in the diversity of the richest colors. This contains the finest European strains..... 25

1476 **Fine Mixture**..... 10

Godetia ⊙ 1½ ft.

An attractive hardy annual, deserving more extensive cultivation. The plants bloom profusely and bear showy flowers of satiny texture in many rich and varied colors. They do best in a rather poor soil.

1477 **Duchess of Albany.** Pure white.....¼ oz. 15c 05

1478 **Gloriosa.** Deep blood red.....¼ oz. 25c 05

1479 **Rosamunde.** Fiery rose.....¼ oz. 25c 05

1480 **Lady Satin Rose.** Bright carmine.....¼ oz. 25c 05

1481 **The Bride.** White and red .....¼ oz. 15c 05

1482 **Many Sorts and Colors Mixed**.....¼ oz. 10c 05

1483 **Dwarf Sorts Mixed.** Neat globular bushes about 10 inches in height.....¼ oz. 15c 05

1484 **GOMPHRENA Globosa Alba,** White **(Globe Amaranth).** Clover-like heads everlasting..... 05

1485 **Rubra,** Red..... 05

1485a **Mixed, all colors**.....¼ oz. 10c 05

Gourds ⊙ § 20 ft.

These are desirable in many places where an immense amount of vine is wanted quickly. Most sorts are good for 20 to 30 feet in a season and the blooms of some are quite striking and handsome. With many sorts the fruit is unique and ornamental and often useful. The small fancy gourds are excellent toys for children, while the larger gourds may be used as dippers, sugar troughs and bowls.

1486 **Apple-shaped.** Beautifully striped..... 05

1487 **Bottle.** The original Thermos bottle. Used by the pilgrims in the orient..... 05

1488 **Calabash or Pipe Gourd.** Odd-shaped fruit which is used to an advantage in making pipes..... 15

1489 **Dipper.** Makes an excellent dipper..... 10

1490 **Dishcloth or Towel.** Many women prefer a dishcloth made of this Gourd to anything else, as it is always sweet and clean as long as any part of it is left..... 05

1492 **Hercules Club.** Fruit grows 3 to 4 ft. long..... 05

1493 **Horned African Cucumber.** Fruits very odd..... 05

1494 **Japanese Nest Egg.** Fruit looks exactly like a hen's egg and may be used as nest eggs..... 05

1495 **Knob Kerrie.** The fruits are of fantastic shape. To the ball-like base—3 to 4 inches in diameter—is attached a slender handle or stem, 2 and often 3 feet in length. While developing they are deep green in color, changing as they mature to a richly mottled yellow..... 10

1496 **Orange.** The well known Mock Orange..... 05

1498 **Ornamental Pomegranate** or Queen's Sweet Pocket melon. Fruit deliciously perfumed and may be carried in the pocket or laid among linens..... 05

1500 **Pear Shaped.** Striped yellow and green..... 05

1502 **Sugar Trough.** Thick shells, very durable..... 05

1504 **Spoon.** Small ball shaped fruit with slender necks, deep orange, whitish and dark olive green. By slicing off a part of the side of the bowl a satisfactory spoon may be made..... 05

1505 **Turk's Turban.** Odd brightly colored fruit..... 05

1506 **Small Fruited Varieties Mixed**..1 oz. 25c; ½ oz. 15c 05

1510 **Mixed, all varieties**.....1 oz. 25c; ½ oz. 15c 05

1512 **Imported Collection.** 12 Varieties..... 30

1514 **Imported Collection.** 6 Varieties..... 20

Seeds of New and Rare Annuals are offered on pages 9 to 11.

1515 **GRASSES—Ornamental Mixed** ⊙ 2 to 5 ft. These are most useful for winter bouquets when combined with Everlasting flowers. They are easily grown in any soil. Pkt. 10

1516 **Imported Collection Ornamental Grasses.** 12 var. 35

Grasses, Ornamental, see Agrostis Nebulosa, Briza Maxima; Coix Lachrymae, Cyperus Alternifolius; Pennisetum Longistylum; Pennisetum Ruppelianum; Zea Japonica.

1520 **GREVILLEA Robusta (Silk Oak)** ⌓ 1 to 5 ft. It is easy to manage, grows rapidly from seed, and is pretty in all stages of growth; with its long drooping silky foliage it reminds one of a palm or fern. Makes a fine plant for the center of fern dishes..... 10

Gypsophila ⊙ 2 ft.

Graceful plants of light fairy-like growth. Much in demand for cutting and combining with other flowers for bouquets and vases.

1522 **Elegans Grandiflora Alba (Angel's Breath.)** This is an improved, large-flowering, pure white, of free, easy growth. Several sowings should be made during the season to keep up a supply.....½ oz. 10c 05

1523 **Elegans Carminea**.....½ oz. 10c 05

1524 **Elegans Rosea.** Soft pink.....½ oz. 10c 05

1525 **Muralis.** 6 in. A lovely little rock or edging plant with rose-pink flowers.....¼ oz. 25c 05

(See also Perennials).

1530 **HELENIUM Tenuifolium** ⊙ 1½ ft. A showy annual variety of the popular Sneeze-wort; flowers bright yellow 05

Helianthus (Sunflower) ⊙

These comprise plants of majestic growth and immense showy flowers, suitable for shrubberies, woodlands, wild gardens and subtropical gardening; the dwarfer kinds, with smaller flowers, are charming when grouped in mixed flower borders. Excellent for cutting.

1533 **Annuus Purpureus, (Red Sunflower.)** 4 to 8 ft.. Some flowers of a rich chestnut-red color, others tipped with yellow and others slightly washed with red. The flowers vary from a few inches to nearly a foot in diameter, and are of good form, usually having a small disc, and often two rows of long, slightly curled rays. 10

1534 **Argyrophyllus.** 4 ft. Handsome silvery foliage, single bright yellow flowers enhanced by a black disk, perfect pyramidal growth. A specimen plant will attain the shape of a Christmas tree, the flowers having the effect of candles.....½ oz. 15c 05

1535 **Californicus Fl. Pl.** 5 ft. Double dark yellow. 1 oz. 15c 05

1536 **Chrysanthemum Flowered Double.** 6 ft. Golden yellow flowers.....1 oz. 15c 05

1537 **Globosus Fistulosus Fl. Pl.** 6 ft. Double globe or dahlia sunflower. Flowers a rich saffron color. 1 oz. 15c 05

1538 **Primrose Queen Double.** These grow 5 to 6 ft. in a season, and large numbers of medium-sized pale sulphur yellow flowers are produced on short straight stems 10

1538a **Liliput Baby Sunflower.** 6 to 8 in. The plants are of a somewhat creeping growth, similiar to those of Verbenas. The flowers are single bright yellow, with a dark disc..... 10

1539 **Nanus Flore Pleno.** 2½ ft. Double dwarf, beautiful for massing in beds.....1 oz. 20c 05

1540 **Russian Mammoth.** Single, of gigantic dimensions. For larger amounts see Farm seed pages.....1 oz. 05c

1541 **Cucumerifolius Mixed or Cut and Come Again.** Quite a distinct variety. Wonderfully useful for garden display, and especially for cutting. Flowers with lavish profusion.....¼ oz. 20c 10

VAUGHAN'S SPECIAL

1545 **VAUGHAN'S SPECIAL MIXTURE** of all the single and double sunflowers.....½ oz. 25c 10

(See also Perennials.)

Helichrysum ⊙ 2 to 3 ft.

Helichrysums are an ornament to the garden when growing, and are everywhere prized for the winter decoration of vases, and for durable bouquets. Flowers intended for drying should be gathered when partially unfolded and suspended with their heads downward in a cool place.

1546 **Silver Ball.** White.
1547 **Fire Ball.** Red.
1548 **Golden Ball.** Yellow.
1549 **Rose Queen.** Carmine rose.
1550 **Salmon Queen.** Salmon Pink.
1551 **Violet Queen.** Violet.
Each of the above, pkt., 10

1552 **Mixed, all colors**.....½ oz. 20c 05

1553 **Imported Collection.** 6 colors..... 50

HELIANTHUS Purpureus Annuus (Red Sunflower)

Heliotrope ⌓ 2 ft.

In bloom during the whole season. Its delightful perfume makes it a most desirable bouquet flower; a splendid bedding plant, or can be trained as a greenhouse climber. Seed started indoors in the spring will make fine plants for summer blooming. Can also be sown outdoors in May.

1555 **Mammoth Mixed.** Flowers of great size and ranging in shade from dark blue to lilac.....⅛ oz. 50c Pkt. 10

1556 **Madam Mathilde Crennieux.** Large clusters of red-dish lilac flowers, dwarf bush..... 15

1560 **Fine Mixed**.....⅛ oz. 25c 05

1565 **HELIPTERUM Sandfordii** ⊙ 1½ ft. Bright yellow everlasting half-hardy annual; flowers in large heads 05

Hollyhocks (Annual) ⊙ 5 ft.

This strain blooms the first year from seed. The plants branch freely and continue to flower throughout the summer. The seeds may be sown in a hot-bed in February.

1571 **Everblooming Single Mixed.** Large single flowers exhibiting every shade known in Hollyhocks. ½ oz. 25c 05

1575 **Everblooming Double Mixed.** Double and semi-double..... 10

(For other Hollyhocks see Perennial List).

Humulus Japonicus (Japanese Hop) ⊙ § 20 ft.

Rapid summer climber; the foliage is luxuriant, making a dense covering. It is one of the best plants for covering verandas, trellises, etc. Heat, draught and insects do not trouble it.

1580 **Green Leaved**.....¼ oz. 10c 05

1582 **Variegated Leaved.** Foliage white and green, beautiful and very effective.....¼ oz. 10c 05

1590 **HUNNEMANNIA Fumariaefolia (Bush Escholtzia)** ⊙ 1½ ft. The plants grow into a shrubby bush and produce their large cupshaped flowers 3 in. across on stems 12 in. long. The color is of clear, bright yellow, the petals are broad and crinkled, like crushed satin. The cut blooms keep in water two weeks....¼ oz. 20c 05

HYACINTH BEAN. See Dolichos.

1595 **ICE PLANT (Mesembryanthemum Crystallinum.)** ⊙ 6 in. Foliage very ornamental, being covered with ice-like globules, and prized for garnishing; a valuable plant for dry sunny situations on banks, rockwork, old walls and ruins, etc., also for sunny borders. ¼ oz. 15c 05

Impatiens (Zanzibar Balsam) ⌓ ⊙ 1½ ft.

One of the prettiest plants for pot culture and also for out-door planting in a half-shaded situation. Remarkable for its long duration of bloom. It is very charming for winter blooming.

1600 **Holstii.** Of rapid and vigorous growth, and producing large flowers of a brilliant salmon-scarlet..... 15

1602 **Holstii Hybrids.** They range in color from pink through the red shades to purplish violet..... 15

1605 **Sultani.** Rosy flowers, glossy green foliage..... 10

Perennial Flower Seeds are offered in separate list, pages 85 to 103.

1610 **IONOPSIDIUM Acaule (Violet Cress)** ⊙ 3 in. A lovely miniature rapid-growing and early-flowering plant, forming dense tufts of foliage smothered in tiny pale lilac flowers; it thrives best in damp or shady situations, such as the foot of rockwork.....⅛ oz. 30c Pkt. 10

Ipomoea (Moonvine) ⊙ § 20 ft.

Beautiful rapid annual climbers. Foliage very dense and in some kinds of remarkable shape. The flowers in their wide range of delicate coloring are poised on slender stems. Many of the sorts open only when the sun rises, others when the sun sets. Some are fragrant. Seeds should be soaked in warm water for 24 hours before sowing to assist rapid germination. The seeds about the size of a pea should be notched with a file before soaking.

1615 **Bona Nox (Evening Glory).** Violet flowers, large and fragrant.....1 oz. 25c 05

1617 **Coccinea (Star Ipomoea).** Small scarlet flowers in great profusion.....1 oz. 20c 05

1619 **Mexicana Grandiflora Alba (White Moon Flower)** Covered with large white flowers every evening and cloudy day. Seeds should be started inside..½ oz. 25c 10

1620 **Mexicana Grandiflora, Giant Pink.** Soft lilac pink flowers.....½ oz. 30c 10

1622 **Imperialis (Japanese Morning Glory) Fine Mixed** ....1 lb. $1.00; ¼ lb. 35c; 2 oz. 25c; 1 oz. 15c; ½ oz. 10c 05

1625 **VAUGHAN'S SPECIAL MIXTURE. Japanese Morning Glories.** The colors run from snow white through all possible shades of blue and red from palest pink to darkest reds and purples. Flowers are streaked, mottled and bordered in wonderful fashion. The leaves are also very handsome; ivy-like and heart-shaped, some are rich green, while others are streaked and marbled with white or yellow. 1 lb. $3.00; ¼ lb. $1.00; 1 oz. 30c; ½ oz. 20c..... 10

VAUGHAN'S SPECIAL

1627 **Learii.** Satiny blue with crimson bars. A good greenhouse climber.....¼ oz. 25c 10

1630 **Rochester.** Flowers 4 to 5 in. across, deep violet blue in the throat, blending out to an azure blue, bordered with a wide white band around the edges. Foliage extremely vigorous.....½ oz. 30c 10

1632 **Rubro-Coerulea (Heavenly Blue).** Sky blue flowers in great abundance.....½ oz. 35c 10

1635 **Setosa (Brazilian Morning Glory).** Rosy pink flowers. It presents a remarkable appearance, branching in all directions and intertwining so as to make it impenetrable to the sun's rays.....1 oz. 25c 05

☞For other Morning Glories, see Convolvulus.

Pkt.

JOB'S TEARS. See Coix Lachrymae.

KUDZU VINE. See Pueraria.

1640 **KOCHIA Tricophylla (Summer Cypress, Burning Bush.)** ⊙ 2½ ft. Forms symmetrical bush resembling a closely-sheared evergreen, foliage light green turning to blood-red in autumn, and remaining decorative until cut down by frost, a valuable border plant..½ oz., 15c 05

1645 **LANTANA Hybrida. Mixed** ⌓ 2 ft. Shrubby plant with Verbena-like flowers in shades of white, red and yellow. May be grown in pots or set out in summer. 05

LARKSPUR, see pages, Annuals 66 and Perennials 90.

Lavatera ⊙ 2½ ft.

The Lavateras or Annual Mallows are showy and effective plants covered during the entire summer with bloom. For large borders and cutting they are very desirable.

1653 **Arborea Variegata.** A handsome foliage plant, with leaves beautifully splashed white; it makes a noble specimen plant for lawns or subtropical gardens..... 10

1654 **Splendens Alba.** Very large silky pure white flowers. 10

1655 **Splendens Rosea.** Very large bright rose flowers. 10

1656 **Trimestris.** Light rose, with silvery streaking..... 10

1657 **LAYIA Elegans (Tidy Tips).** ⊙ 1 ft. Very beautiful flowers, yellow bordered white, with golden center, profusely produced, for beds and borders, remaining long in beauty. Sow in spring to flower in early summer, and in autumn to bloom in spring..... 10

1658 **LIBONIA Floribunda** ⌓ 1½ ft. A handsome plant for house or conservatory decoration during winter; flowers scarlet and yellow, tube-shaped..... 25

1659 **LEPTOSYNE Stillmani** ⊙ 1½ ft. One of the quickest annuals, blooming within five weeks from date of sowing, and the golden-yellow flowers continue in perfection for a long period. Excellent for cutting..... 10

1665 **LINUM Grandiflorum Rubrum (Crimson Flax)** ⊙ 2 ft. One of the most brilliantly colored of summer annuals, flowers glowing crimson-rose, very beautiful in beds and borders, and may be had in bloom from May to October by successive sowings.....1 oz. 15c 05

Lobelia Erinus Compacta ⊙

This charming class form compact little bushes about 6 inches high and are fairly sheeted with bloom throughout the season. Highly desirable for edgings, ribbon bedding and garden decoration as well as for pot culture. They flower the first season from seed.

1675 **Bedding Queen.** Dwarfest, best for ribbon bedding. Flowers deep purplish violet with clear white eye.... 10

1676 **Crystal Palace Compacta.** Deepest blue, dark foliage.....⅛ oz. 30c 10

1677 **Emperor William.** Clear sky blue with green foliage. 10

1678 **Firmament.** Of very compact tufted growth, with rather large flowers of the purest blue.....⅛ oz. 60c 10

1679 **Heterophylla Major.** The plant forms dense globular bushes about 6 inches high, completely smothered with large flowers, of a most brilliant sky-blue with a clear white eye.....⅛ oz. 30c 10

1680 **Prince Henry.** Very large flowers of clear ultramarine blue, of dwarf habit..... 10

1681 **Pumila Rosea.** Dwarf pink..... 10

Perennial Flower Seeds are offered in separate list on pages 85 to 103.

MARIGOLD—Double Tall African

Lobelia Erinus—Continued

The following varieties are especially effective in hanging baskets or window boxes, where a long drooping effect is desired.

		Pkt.
1681a	**Gracilis.** Light blue flowers.....⅛ oz., 15c	05
1682	**Hamburgia.** Large flowering dark blue....⅛ oz., 60c	10
1683	**Speciosa.** True, dark blue, dark foliage....⅛ oz., 20c	05
1684	**Sapphire.** Wonderful large, deep blue flowers. This is set off by the pure white eye which occupies nearly one-third of the corolla.....	15
1685	**Mixed Colors**.....⅛ oz. 15c	05
1690	**LOPHOSPERMUM Scandens** ⊙ § 10 ft. Showy, rosy, purple Foxglove-like flowers.....	10

LOVE-IN-THE-MIST. See Nigella.

Lupinus ⊙ 2 ft.

Free flowering, easily-grown annuals, with long, graceful spikes of rich and various colored pea-shaped flowers; valuable for mixed borders, beds and for cutting; prefers a little shade.

1700	**Hartwegii, White.** Pure white flowers.....½ oz., 25c	10
1701	**Hartwegii, Blue.** The flowers of a delicate mist-like blue.....½ oz., 25c	10
1702	**Hybridus Atro-coccineus.** Large spikes of scarlet white-tipped flowers.....	10
1703	**Hybridus Roseus.** A charming rose pink flower.	05
1704	**Cruickshanki.** Flowers large, fragrant white, the standard yellow, rose becoming violet.....	10
1705	**Tall Annual Varieties Mixed**.....1 oz. 15c	05
1706	**Dwarf Annual Varieties Mixed.** 1 ft.....1 oz. 15c (See also Perennials).	05

MALOPE (Mallow-wort). 2 ft. Showy plants for large mixed flower and shrubbery borders. The flowers are large and handsome.

1707	**Grandiflora Alba.** Large white flowers.....¼ oz., 20c	05
1708	**Rosea.** Flowers large, blush shaded pink towards, center.....¼ oz., 20c	05

Marigold (Tagetes) ⊙

In autumn, when many bedding and other plants are past their prime, Marigolds afford a wealth of color that is simply invaluable.

The African varieties produce large self-colored blossoms on tall plants; the French are smaller, but the colors and markings are very interesting, some of the varieties being elegantly striped and spotted. The Single French and the Dwarf Single French Marigolds hold the chief place in the class. They are most effective in ribbon borders and as edgings to beds of tall flowers, such as Salpiglossis and Zinnias.

Double Tall African Varieties 5 ft.

		Pkt.
1722	**Eldorado.** Extremely large and imbricated double flowers in yellow shades.....¼ oz. 10c	05
1724	**Lemon Queen**.....¼ oz., 20c	05
1725	**Orange Queen**.....¼ oz., 20c	05
1726	**Tall African Mixed.** Large double flowers..½ oz. 15c	05
1728	**Tall French Mixed.** Large bushes covered with a multitude of small double flowers.....½ oz. 15c	05
1729	**Imported Collection Tall African, 6 Colors**.....	20
1730	**VAUGHAN'S SPECIAL MIXTURE Tall Marigolds** Includes the best colors and is made up from separate sorts. Give this a place in your garden if you wish flowers when all others have failed.....¼ oz. 20c	10

Double Dwarf African

1731	**Mixed (Pride of the Garden)** 15 in. Immense golden yellow flowers, compact dwarf habit, forming dense bushes.....½ oz. 15c	05

Dwarf French Double Sorts 10 in.

1732	**Aurora.** Clear soft yellowish-pink, very distinct....	05
1734	**Electric Light.** Sulphur-yellow, brown-red stripes and spots.....½ oz. 15c	05
1735	**Gold Striped.** Velvety maroon, striped gold ¼ oz., 15c	05
1736	**Dwarf French Double Mixed.** Low bushes covered with small flowers.....1 oz. 25c; ½ oz. 15c	05
1744	**Imported Collection Dwarf French.** 6 varieties...	20
1745	**VAUGHAN'S SPECIAL MIXTURE of Dwarf Marigolds.** These dwarf compact strains are very attractive, each plant being covered with hundreds of small bright flowers. This mixture is made up of separate colors especially purchased for it.....¼ oz. 20c	10

Single Dwarf Varieties

1746	**Legion of Honor.** Flowers rich golden yellow, marked with velvety brown, best for edging.....½ oz. 15c	05
1747	**Silver King.** Light sulphur-yellow with brown spots.	05

POT MARIGOLD. See Calendula.

MARVEL OF PERU. See Mirabilis.

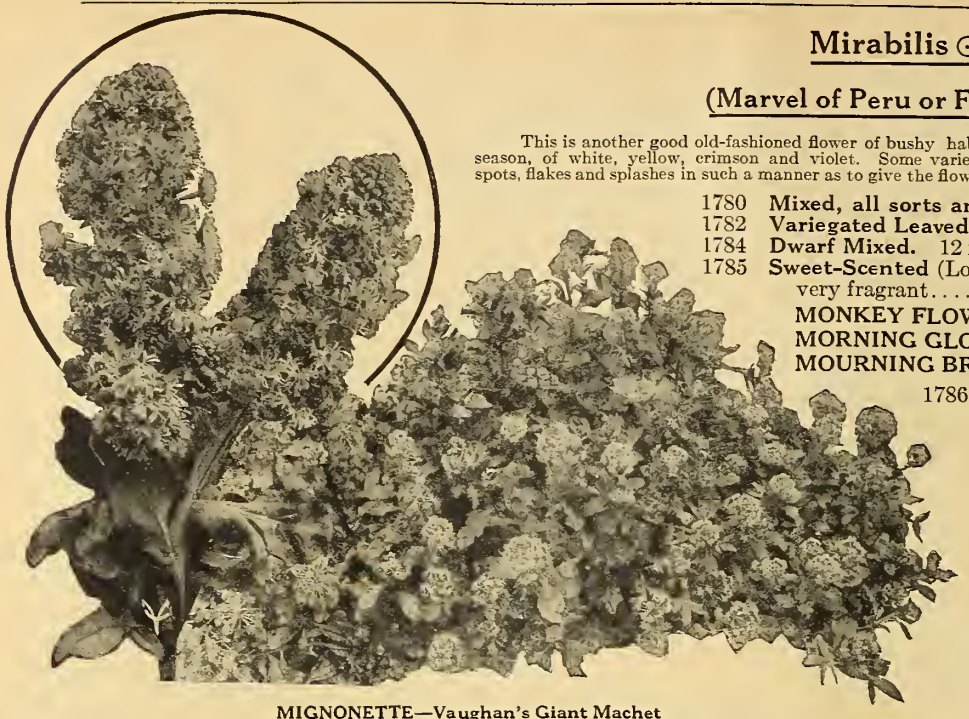
Matricaria

1748	**Capensis fl pl. (Feverfew).** Double white.¼ oz., 15c	05
1749	**Capensis Alba Plenissima.** ⊙ 3 ft. Neat, small, double white flowers, well adapted for bedding and cutting. They are perennials in mild climate, but in our latitude are treated best as biennials or annuals	10
1750	**Eximea, Golden Ball.** 1 ft. Of compact habit, suitable for edging, with very striking double yellow flowers	15
1751	**MATTHIOLA Bicornis (Evening-scented Stock.)** ⊙ 15 in. The flowers in the morning, evening, and after a shower emit a delicious perfume perceptible at a considerable distance.....1 oz. 25c	05
1752	**MAURANDIA Mixed** ⊙ § 10 ft. Slender grower and abundant bloomer very desirable for greenhouse and garden. Elegant Gloxinia-like flowers which range through white, rose, blue and purple in color.....	10
1754	**MELOTHRIA Punctata** ⊙ § 10 ft. Blooms in clusters, flowers small, white and star shape, with a strong musk fragrance, leaves green, small and glossy. May be cut down to 6 inches after summer's growth and potted and taken inside. Gooseberry shaped fruit...	10

June 8th, 1915.

Gentlemen:—You ought to see the garden I have from the Seeds I got from you. I never saw a garden looking so fine; every seed came up and doing so well. I can swear by Vaughan's Seeds every time.

WALTER VAN WAGENER, Poughkeepsie, N. Y.



MIGNONETTE—Vaughan's Giant Machet

Mirabilis ⊙ 2 ft.

(Marvel of Peru or Four O'Clocks)

This is another good old-fashioned flower of bushy habit bearing hundreds of flowers during the season, of white, yellow, crimson and violet. Some varieties combine two or more of these colors in spots, flakes and splashes in such a manner as to give the flowers a most bizarre effect. Pkt.

1780 **Mixed, all sorts and colors**.....¼ lb. 30c; 1 oz. 15c 05
1782 **Variegated Leaved Mixed**.....1 oz. 15c 05
1784 **Dwarf Mixed.** 12 in.....1 oz. 20c 05
1785 **Sweet-Scented** (Longiflora Alba). Flowers white and very fragrant.....1 oz. 20c 05

MONKEY FLOWER. See Mimulus.
MORNING GLORY. See Convolvulus and Ipomoea.
MOURNING BRIDE. See Scabiosa.

1786 **MUSA Ensete (Abyssinian Banana).** ⌓ 6 ft. A splendid plant for the open air in summer, producing a most striking effect when planted singly or in groups. In our hot summer it luxuriates and attains gigantic proportions when freely supplied with manure and water. The seeds germinate easily if started in hot-bed or bottom heat in greenhouse.....10 seeds 20

MUSK PLANT. See Mimulus.
NASTURTIUM. See pages 73-74.

Mignonette (Reseda) ⊙ 6 to 12 in.

No garden is complete without this fragrant plant of unassuming mien. One of the principal uses is for cutting purposes and combining in bouquets with other more pretentious blossoms without its delicate odor. Pkt.

1755 **Bismarck.** The red flowers are larger in every way than those of other sorts, the spikes are very dense, its foliage is distinct, being crinkly, while its odor is strong and most delicious.....⅛ oz. 15c 10
1756 **Gabriele.** Very sweet; spikes very thick; one of the best for out of doors.....¼ oz. 15c 05
1758 **Goliath.** Fine pyramidal bushes, foliage rich green, contrasting strikingly with the bright red flowers. Flower stalks tall and strong, spikes often 7 in. long by 2 in. in diameter.....⅛ oz. 15c 10
1760 **Grandiflora Large-Flowered**.....¼ lb. 25c; 1 oz. 10c 05
1761 **Giant White Spiral.** Flowers silvery-white and sweet scented.....¼ oz. 15c 05
1762 **Machet.** It is the best Mignonette for all purposes either outside or inside. It is an ever bloomer, the flowers lasting until late in the fall. Our seed is grown with the most scrupulous care and it gives entire satisfaction.....¼ oz. 25c 10
1764 **New York Market.** This is an extra choice strain of Mignonette for greenhouse culture. Our seed is greenhouse grown, raised by a most careful grower, 250 seeds 25
1766 **Pyramidal Large-Flowering.** Tall-growing variety splendid for cutting.....⅛ oz. 15c 05
1770 **Mixed.** Many shades and types..1 oz. 15c; ½ oz. 10c 05

1772 **MIMOSA Pudica (Sensitive Plant)** ⊙ 1 ft. Curious and interesting, pinkish-white flowers; the leaves close and droop when touched or shaken.....¼ oz. 15c 05

1773 **MIMULUS Moschatus (Musk Plant)** ⊙ Musk scented leaves, tiny yellow flowers..... 05
1774 **Tigrinus (Monkey Flower).** ⊙ 10 in. **Queen's Prize Single Mixed.** Dwarf bushy plants, with large gloxinia-like flowers ranging in color through white, pale yellow, golden, flesh, rose, crimson and maroon; handsomely blotched and striped..⅛ oz. 25c 05
1775 **Tigrinus Fl. Pl. (Double Monkey Flower)** mixed.. 10

1778 **MINA Lobata** ⊙ § 12 ft. A climber of luxurious growth with tube-shaped flowers, produced in greatest profusion. In color they are particularly attractive, the buds being first bright red, but changing through orange yellow to creamy white when fully expanded. 10
1779 **Sanguinea.** 20 ft. The leaves resemble oak leaves, and the flowers are borne in large clusters, blood-red with a yellow throat.....½ oz. 15c 10

Nemophila (Grove Flower) ⊙ 6 in.

Hardiest of annuals, and of the easiest culture. Makes a very effective front row to a bed or border, and should be sown out of doors in spring, in patches, where they are to flower.

1915 **Holborn Bluebell.** Ultramarine blue, white throat; makes an effective border.....¼ oz. 25c 10
1916 **Insignis.** Blue, a popular plant for pots or borders .....¼ oz. 25c 10
1917 **Insignis Alba.** White variety.....¼ oz. 25c 10
1918 **Maculata.** White, purple blotch.....¼ oz. 25c 10
1919 **Mixed, all colors.** Cup-shaped flowers in many bright colors, the blue shades being particularly attractive.....½ oz. 15c 05

Nicotiana (Sweet Scented Tobacco Plant.) ⊙ 2 ft.

One of the easiest annuals to raise and one of the most effective. The blossoms in shape are not unlike a Petunia blossom but with a longer tube. The flowers open toward evening and emit a powerful perfume.

1920 **Affinis.** Produces an abundance of large, pure white flowers of delicious fragrance. If taken up in the fall and cut back and potted, they will bloom all winter. 05
1925 **Affinis Hybrida.** Splendid hybrids in blue, red and rose, etc., shades.....⅛ oz. 15c 05
1926 **Sanderae.** A lovely hybrid Tobacco of elegant branching habit, and bearing on light graceful stems great quantities of very beautiful rosy carmine flowers; a valuable border plant, remaining decorative from summer to autumn.....⅛ oz. 15c 05
1928 **Sanderae Hybrids.** All shades.....⅛ oz. 15c 05
1930 **Sylvestris.** 4 ft. A noble-looking plant of pyramidal habit, with long tubular pure-white flowers borne in dense panicles, and possessing the merit of remaining fully expanded throughout the day as well as in the evening.....¼ oz. 15c 05

To those interested in Bee Culture, the following collections should prove attractive:

Collection Honey Plants. 1 Pkt. each, 6 for **20c.**

Sweet Alyssum. Centaurea Cyanus, mixed.
Candytuft, mixed. Phacelia Tanacetifolia.
Dracocephalum Moldavicum. Mignonette Grandiflora.
Honey Plants, Mixed. All the above and others, large pkt. **10c;** oz. **25c.**

Collection of Annuals for Cut Flowers.
1 pkt. each, 6 for **40c.**

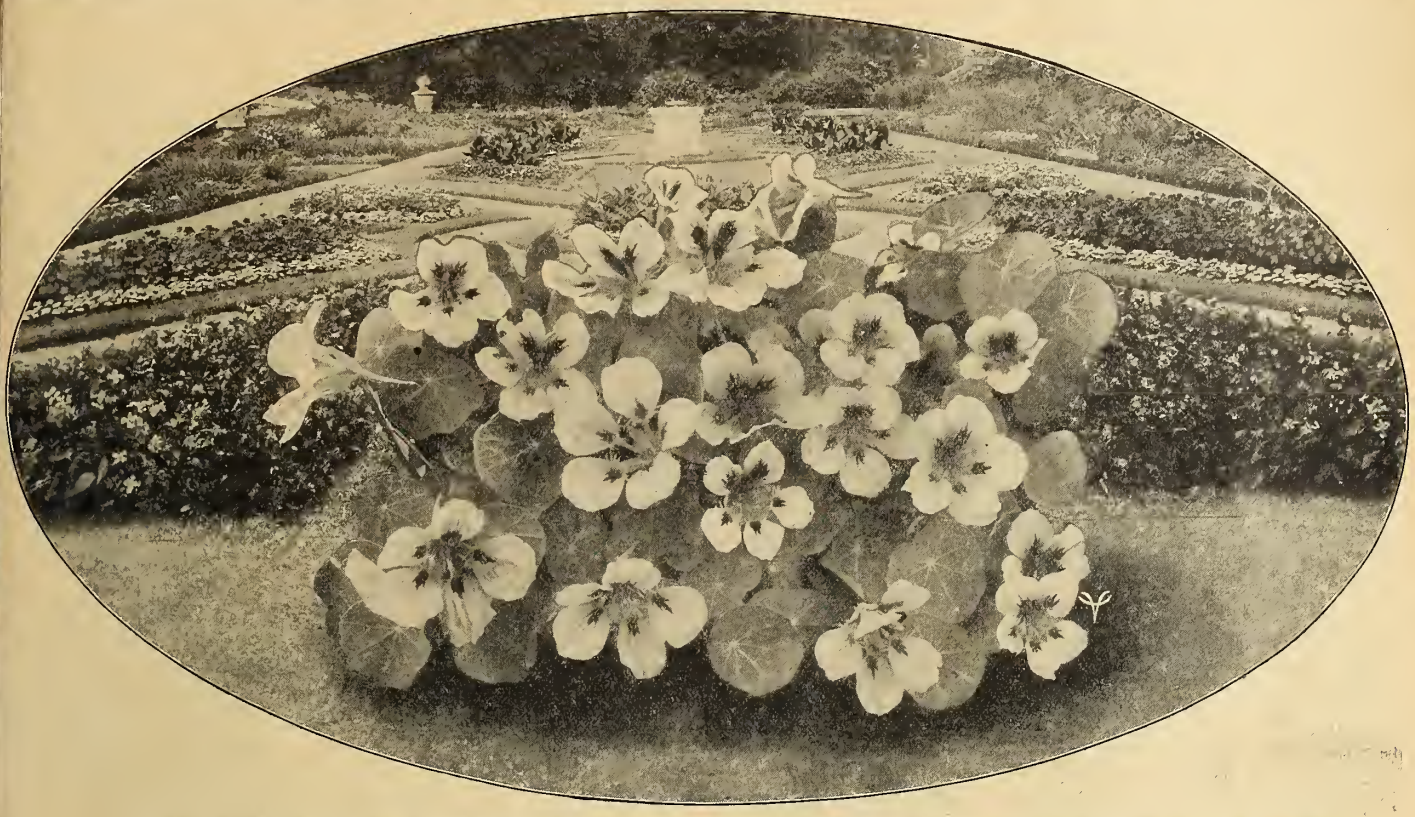
Antirrhinum, Giant Flowered mixed. Aster, Giant Branching, mixed.
Candytuft, Giant Hyacinth-Fld, white. Cosmos, Early Flowering, mixed.
Centaurea Imperialis, mixed. Scabiosa, Double Large Flowering, mixed

Collection of Annuals for Shady Places.
1 pkt. each, 6 for **25c.**

Pansy, Vaughan's Giant Mixed. Forget-Me-Not, Early and late flowering.
Godetia, mixed. Musk Plant. Nemophila, mixed. Nicotiana Affinis.

DWARF NASTURTIUMS

They are suitable for bedding and edging, grow quickly and furnish the greatest abundance of long lasting, sweet-scented cut flowers. Sometimes it is desirable, when carrying out a color scheme to use but one variety of Dwarf Nasturtium for an edging. Empress of India is particularly good when used in this way as the dark leaved plants are of an even height and the flowers are a rich velvety red.



Green and Dark Leaved Varieties

2305 **Aurora.** Chrome yellow blotched crimson. Pkt.
2306 **Beauty.** Scarlet splashed canary.
2307 **Bronze.** Burnt bronze color, dark leaved.
2308 **Chameleon.** Is unique in bearing flowers of quite distinct coloring on one and the same plant.
2309 **Crystal Palace Gem.** Sulphur spotted maroon.
2310 **David Burpee.** The fine velvety purple-scarlet flowers are borne on long stems well above the magnificent foliage of peculiar wavy emerald green.....oz., 25c 10
2312 **Empress of India.** Very dark leaves, crimson flowers.
2314 **Golden King.** Pure golden yellow.
2315 **King of Tom Thumbs.** Intense deep scarlet flowers, dark foliage.
2316 **King Theodore.** Velvety red flowers, dark foliage.
2318 **Lady Bird.** Orange, striped bright scarlet.
2319 **Othello.** Dark leaved and dark purple laciniated flowers.
2320 **Pearl.** Creamy white.
2321 **Prince Henry.** Yellow marbled with scarlet.
2322 **Regelianum.** Rich crimson.
2323 **Ruby King.** Ruby red, dark leaved.
2324 **Scarlet.** Dark scarlet.
2325 **Vesuvius.** Salmon rose.
Each of above, except where noted...¼ lb. 25c; oz. 10c 05

Fancy and Variegated Leaved Varieties

2326 **Golden Cloth.** The foliage is of bright yellow, while the flowers are intense scarlet. Pkt.
2327 **Ivy Leaved Mixed.** Deep green leaves of distinctive ivy form. The flowers are beautifully fringed at the edge of the petals and at the throat.
2328 **Laciniatum Mixed.** The leaves are deeply laciniated and the flowers appear in many attractive colors.
2329 **Queen of Tom Thumbs.** Produces flowers of a rich bright crimson which forms a very pretty contrast to the silver variegated foliage and is strikingly handsome and useful for bedding or pot culture.
2330 **Spencer Mixed.** The curly foliage is very unique and the flowers appear in many bright colors.
Each of above, except where noted....¼ lb. 25c; oz. 10c 05
2331 **Dwarf Mixed.**.....1 lb. 70c; ¼ lb. 20c; 1 oz. 10c 05
2336 **COLLECTION No. 1 OF DWARF NASTURTIUMS. 10 VARIETIES.** Our choice.....1 pkt. of each 35c
2337 **COLLECTION No. 2 OF DWARF NASTURTIUMS 10 VARIETIES.** Our choice.....1 oz. of each 75c

PANSY, see page 75.

2335 **VAUGHAN'S SPECIAL MIXTURE OF DWARF NASTURTIUMS.** Dwarf Nasturtiums are most admirably adapted to beds and borders. Vaughan's Special Mixture of Dwarf Nasturtiums will give a larger variety of colors in even proportions than any other Nasturtium mixture, for it is put up by ourselves from named sorts, and also contains a large share of the Liliput Nasturtium and of the dwarf Chameleon which have the richest and most varied combination of colors ever produced, showing odd colors hitherto unknown among flowers....1 lb. $1.50; ¼ lb. 45c: 1 oz. 15c 10

2592 **PASSIFLORA Coerulea Grandiflora (Passion Flower)** ⌓ § 15 ft. **Southern Beauty.** A beautiful vine for greenhouse and window. Few effects are more charming than the Blue Passion Flower covering a greenhouse wall with its rich green foliage and sky-blue flowers, followed later by an abundance of handsome fruit..... 10

2595 **PENNISETUM Longistylum** ⊙ 2½ ft. An Abyssinian grass with long feathery bearded bristles.....½ oz. 20c 10
2596 **Ruppelianum.** The spikes are longer and more graceful. Used to border canna beds.....¼ oz. 20c 10
2597 **PERILLA Nankinensis** ⊙ 1½ ft. Valuable foliage plant resembling Coleus, dark mulberry-colored leaves..... 05

TALL NASTURTIUMS

⊙ 8 to 10 ft.

Few plants are so useful or rich in color as the Nasturtiums. They surpass the Geranium and Calceolaria in brilliancy of color and profusion of bloom; they should be given a dry poor soil, as on a rich or manured ground they are inclined to run to leaf. Where such is the case lime rubbish should be mixed with the soil. The sorts we enumerate are the most decorative and beautiful of all.

Green and Dark Leaved Varieties

2338 **Chameleon.** Is unique in bearing flowers of quite distinct coloring on one and the same plant.
2339 **Dunnett's Orange.** Bright orange flowers.
2339a **Edward Otto.** Brownish lilac.
2340 **Fordhook Fancy.** Terra cotta on yellow ground, dark leaved.
2341 **Heinemanni.** Chocolate color, odd.
2341a **Hemisphericum.** Orange.
2342 **Jupiter.** Strong running growth and large, rich golden yellow flowers.
2343 **King Theodore.** Rich deep crimson flowers; dark leaves.
2344 **Pearl.** Creamy white.
2345 **Prince Henry.** Light yellow, marbled scarlet.
2346 **Regelianum.** The best rich crimson.
2346a **Shillingi.** Bright yellow and maroon blotches.
2346b **Scheuermani.** Straw color, spotted.
2346c **Scheuermani Coccineum.** Scarlet striped.
2347 **Twilight.** Bright yellow, marbled salmon rose.
2347b **Vesuvius.** Salmon rose, dark leaved.
2347c **Von Moltke.** Bluish rose.

Fancy and Variegated Leaved Varieties

2348 **Golden Cloth.** Scarlet flowers with yellow foliage. See Lobb's Nasturtiums.

Each of above, except where noted, pkt. 5c; oz. 10c; ¼ lb. 25c

Pkt.

2350 **MADAM GUNTHER'S HYBRIDS.** For richness and variety of color these hybrids have no equal among Nasturtiums. It is impossible to describe all the different colors.....1 lb. $1.00; ¼ lb. 30c; 1 oz. 10c 05

Lobb's Nasturtiums 6 ft.

This class is remarkable for the intensely brilliant colors of its flowers, which are a trifle smaller than those of other sorts. In moderately rich soil they climb higher and bloom brilliantly.

2355 **Black Prince.** Velvety black flowers, dark foliage.
2356 **Cardinal.** Scarlet flowers, dark foliage.
2357 **Emma Alida.** Dark ivy-leaved foliage, with golden yellow, orange and deep scarlet laciniated flowers.
2357a **Flamingo.** A beautiful new variety with magnificent laciniated orange flowers.
2357b **Blushing Beauty.** Ivy leaved. Flowers soft yellow, spotted with terra cotta.
2357c **Mourning Bride.** The leaves are dark and Ivy shaped. The flowers are a velvety dark crimson.
2358 **Princess Juliana.** Dark ivy-leaved foliage, with deeply cut flowers of orange yellow, spotted red brown.
2359 **Queen Alexandra.** Variegated leaves, flowers blood red, marbled and mottled.
2360 **Queen Emma.** Variegated leaves, deep scarlet flowers.
2361 **Queen of the Morning.** Variegated leaves, flowers aurora colored.
2362 **Virchow (Rose Queen).** The best pink.

Each of the above, oz. 10c; pkt. 5c.

2365 **LOBB'S MIXED.** The strongest growing, attaining the greatest height.....1 lb. 75c; ¼ lb. 25c; 1 oz. 10c 05
2370 **TALL MIXED, all sorts**..1 lb. 60c; ¼ lb. 20c; 1 oz. 10c 05
2372 **COLLECTION No. 3 TALL NASTURTIUMS, 10 VARIETIES.** Our choice.....1 pkt. of each 35c
2373 **COLLECTION No. 4 TALL NASTURTIUMS, 10 VARIETIES.** Our choice.....1 oz. of each 75c

1931 **NIEREMBERGIA Gracilis** ⊙ 6 in. Flowers white, shading to and veined lavender, an exceedingly graceful plant for hanging baskets, rockwork, etc..... 05

1932 **NIGELLA Mixed (Love-in-the-Mist)** ⊙ 1½ ft. A compact, free flowering plant with finely cut foliage, curious looking seed pods; of easy culture, growing in any garden soil. Blue and white mixed.....1 oz. 15c 05

1934 **Miss Jekyll.** A lovely variety, bearing on long stems large deep blue flowers. Very effective if planted with Escholtzias.....½ oz. 25c 10

1936 **NOLANA Mixed** ⊙ Pretty trailing plant, useful for edging or rockwork.....¼ oz. 10c 05

1937 **NYCTERINIA Capensis** ⊙ 9 in. Charming little plants for pots, edgings, and rock work. White with maroon, delightfully fragrant, flowers opening at night. ⅛ oz. 25c 10

1938 **OBELISCARIA Pulcherrima** ⊙ 2 ft. A native wild flower which blooms from seed the first year. Flowers somewhat like the Black-Eyed Susan, with a large brown or brown-purple area toward base of each ray. A plant which deserves a trial in our borders. Many of our customers are familiar with this plant, as we gave complimentary packets two years ago..... 10

1950 **OENOTHERA (Evening Primrose). Mixed** ⊙ ½ to 2 ft. Neat plants, with large, saucer shaped flowers, white or golden yellow; open at dusk; emit a delightful perfume.....¼ oz. 15c 05

1955 **OXALIS Rosea Mixed** ⊙ An excellent little plant for edging or pots; blooms all summer in the greatest profusion; flowers dark rose, delicate pink and white..... 10

2375 **VAUGHAN'S SPECIAL MIXTURE OF TALL NASTURTIUMS.** We call especial attention to this mixture. In it will be found all the choicest colors of all the tall Nasturtiums, the rich, velvety Lobb's varieties, the Canary Bird Creeper, the hybrids of Madam Gunther, Coquette and the new variegated leaved varieties.....1 lb. $1.50; ¼ lb. 45c; 2 oz., 25c; 1 oz. 15c; pkt. 10c

VAUGHAN'S SPECIAL

Perennial Flower Seeds are offered in separate list, pages 85 to 103.

A leaflet "How to Grow Pansies" is included in all orders for Pansy seed if asked for when ordering.

Don't overlook our "Cover Collection" offered on inside of front cover.

VAUGHAN'S PANSIES

In spring the Pansy blooms continuously, producing a matchless effect in designs, beds and ribbons. Seed sown in winter and spring produces flowering plants or spring and summer. In order to obtain fine blooms the Pansy should be given a fairly rich and not too dry a soil. During dry weather the plants must be kept well watered and if large flowers are desired only a proportion of the shoots should be allowed to bloom, the rest being pinched back.

		Pkt.
2500	**Adonis.** Light blue with white center.....⅛ oz. 25c	10
2501	**Andromeda.** Delicate apple-blossom.....⅛ oz. 40c	10
2502	**Aureola.** Carmine, white stripe.....⅛ oz. 50c	10
2503	**Auricula Colors.** Metallic shades.....⅛ oz. 25c	10
2504	**Beaconsfield.** Upper petals light lavender, lower ones a deep rich purple.....⅛ oz. 25c	10
2505	**Boulogne Giant Mixture.** The flowers are of the largest size, great substance, fine form and are borne on particularly strong stems. They are mostly 3 and 5 blotched, delicately veined, rich colors. 150 seeds..	25
2506	**Bridesmaid.** Rosy white, dark blotches....⅛ oz. 40c	10
2507	**Bugnot.** Shades of red, bronze and reddish cardinal,	15
2507a	**Cardinal**.....	10
2508	**Cassiers 3 and 5 Blotched Mixed.** Mostly light shades with dark blotches.....⅛ oz. 40c	10
2509	**Coal Black.** A jet black of truly giant size..⅛ oz. 25c	10
2510	**Comet.** Porcelain white with blue stripes on lower petals	10
2511	**Emperor Francis Joseph.** Pure white, large blotch of brilliant violet blue on each petal.....	10
2512	**Emperor William.** Dark navy blue.....⅛ oz. 25c	10
2513	**Eros.** Deep velvety brown, edged golden....⅛ oz. 40c	10
2514	**Fiery Faces.** Scarlet, with a gold edge and yellow center	10
2515	**Freya.** Deep purple violet, with white margin⅛ oz. 25c	10
2516	**Goliath, Golden Queen.** Golden yellow with three large blotches.....	10
2517	**Mad. Perret.** Lovely shades of pink and rose.⅛ oz. 25c	10
2518	**Marechal Niel.** Delicate pleasing, cream color. ⅛ oz. 40c	10
2519	**Mauve Queen.** A most pleasing mauve.....⅛ oz. 25c	10
2520	**Masterpiece (New Giant Curled or Spencer Pansies)** The number of petals is the same as that in other Pansy flowers, but they are crimped and curled in such a fashion that the flowers appear double.....⅛ oz. 50c	20
2522	**Parisian Striped.** Stripes are broad.....⅛ oz. 25c	10
2523	**Paris Market.** An improved strain of Trimardeau, with better flowers and more compact habit..⅛ oz .20c	05
2524	**Pink.** Fine shades of pink, same as Hydrangea.⅛ oz. 40c	10
2525	**President Carnot.** Fine blotched white....⅛ oz. 40c	10
2526	**President McKinley.** Fine blotched yellow.⅛ oz. 50c	10
2526a	**Princess Pansies.** Of the Cassier and Masterpiece type, habit remarkably erect. Extensive range of colors with yellow predominating.....	10
2527	**Purple.** Very large, rich deep purple.....⅛ oz. 25c	10
2527a	**Prince Henry.** Darkest blue.....	10
2527b	**Prince Bismarck?** Light brown colors.....	10
2528	**Pretiosa.** Each petal has a large blotch of deep violet on crimson background, with white edge...⅛ oz. 40c	10
2529	**Psyche.** Velvety violet blotches, edged white..⅛ oz. 45c	15
2530	**Raphael.** Blue veins, violet spots on white ground..	20
2531	**Rosy Morn.** A bright purplish crimson margined with a clear white edge.....⅛ oz. 45c	10
2532	**Siegfried.** They are mostly 5 spotted with a clear white margin. The colors are of rich brown shades. ⅛ oz. 35c	10
2533	**Striped.** Mahogany, striped and flaked white⅛ oz. 25c	10
2534	**Trimardeau.** Mixed.....⅛ oz. 25c	10
2535	**Violet Blue.** A very pleasing shade.....⅛ oz. 25c	10
2536	**Volcano.** The best red Pansy, each petal being marked with a very large dark blotch.....⅛ oz. 40c	10
2537	**Pure White.** Pure white without blotches..⅛ oz. 30c	10
2538	**White.** Very large, with violet eye.....⅛ oz. 25c	10
2539	**Pure Yellow.** Golden yellow without blotches.⅛ oz. 30c	10
2540	**Yellow.** Immense flowers with dark eye....⅛ oz. 25c	10
2541	**Chicago Parks Bedding Mixed.** Great diversity of colors, free flowering, blossoms slightly smaller than the Giant sorts..... ¼ oz.35c; ⅛ oz. 20c	05

		Pkt.
2542	**Vaughan's Delicate Shades.** Including only pretty tints and combinations of cream, primrose, and pale mauve, the flowers being exquisitely frilled. These delicate shades should not be mixed with stronger colors.....	15
2550	**Vaughan's Collection of Giant Pansies.** One packet, containing 50 seeds each, of Emperor William, Coal Black, Fiery Faces, Lord Beaconsfield, Pure White, Pure Yellow, Madam Perret.....7 packets for..	25
2555	**Vaughan's Giant Mixture.** Embraces, besides most of the above shades and colors, five special strains not listed elsewhere in this catalog and which can be had only in this and our International Mixture of Pansies. It includes the richest reds, coppers and bronzes, together with the most delicate rose pink shadings and the Masterpiece strain with its delicate veinings and ruffled petals. ⅛ oz., $1.00; 1 pkt. 250 seeds, 20c; 3 20c pkts. 50c....125 seeds.....	10
2560	**Vaughan's International Mixture.** This is, and always has been, literally a World's Best Mixture. While searching for the best in every land, we are not satisfied to accept any mixture simply because of its varied colorings, but flowers must come near a high standard of form which we have set, must be composed of well rounded, perfect shaped flowers, must show a wide range of coloring and markings, must have thick velvety petals with fluted or semi-double edges and must stand erect on good stiff stems with a good healthy growth of plant. While every solid color is represented there are also all the possible variations of each one of these. This is one of the specialties that has established the reputation of Vaughan's Seeds, and our customers can readily see why it is our most earnest endeavor to make International Pansy better than ever. 3 pkts. (750 seeds), 65c; 5 pkts. (1250 seeds), $1.00; ⅛ oz., $1.75; 250 seeds.	25

PETUNIAS

PETUNIA
Vaughan's
Special
Single Mixed

Petunia ⊙

For freedom of bloom, variety of color and effectiveness these have no equals. If only a little care is bestowed upon them, Petunias will produce their handsome, sweet-scented flowers in their delicate and gorgeous colors throughout the whole summer.

Double Large Flowering Varieties

Pkt.

2600 **Vaughan's Mixture of Double Petunias.** This is a mixture of the best large flowering and fringed double petunias. Seed is saved from plants grown in pots, carefully pollenized and will produce grand flowers. Of course, every one knows only a certain percentage of double flowers may be expected from seed, but our mixture will produce from 20 to 30 per cent of doubles, while the remainder will be choice, large single flowers. The weaker seedlings should be carefully saved, as those invariably produce the finest double flowers.....200 seeds 30

VAUGHAN'S SPECIAL

2601 **Imported Collection of Double Petunias.** 6 varieties 75

Large Single Flowering Varieties

2602 **Balcony Queen.** Rich, velvety violet with white blotches.....100 seeds 15

2603 **German Empress.** A beautiful variety with open flowers of great size, many having deeply flanged petals, color brilliant purple, center veined on a white ground, handsome.....100 seeds 15

2604 **Giants of California Mixed.** The flowers are very large and the colors embrace every conceivable shade of crimson, white, violet, lavender, etc.....200 seeds 15

2605 **Karlsruher Rathaus.** The flowers are very large, very deep violet blue and should be planted with a white background to be effective.....100 seeds 15

2606 **King Edward.** Deep blood-red, white center, 100 seeds 15

Large Single Flowering Varieties—Cont.

2607 **Miranda.** Flowers mostly a brilliant deep velvety rose, beautifully crimped and curled, the margins being frilled like lace, very bright and effective....100 seeds Pkt- 15

2608 **Rheingold.** A large flowering pure white flower with a clear yellow throat.....100 seeds 15

2609 **White Giant.** Flowers large, pure white....100 seeds 15

2610 **Triumph of the Giants.** The finest strain of single large-flowering Petunias; the flowers often measure 7 inches across; some of its colors cannot be found in any other mixture and nearly all the flowers are veined in contrasting colors.....250 seeds 50

2611 **Large Flowering Fringed Mixed.** A superb strain of elegant, finely fringed flowers, measuring over 4 in. in diameter; remarkable variety of color.....200 seeds 15

2612 **Imported Collection Large Flowering Single.** 6 varieties..... 35

2615 **VAUGHAN'S BEST MIXTURE Large Flowering Single Petunias.** This mixture is made by ourselves and includes, besides the Giant Ruffled, all the colors of the large flowering and fringed sorts, and the unsurpassed Superbissima varieties, with their delicately veined throats in various colors, and their truly mammoth flowers. We are positive no other Petunia mixture can produce flowers with as wide a range of colors as **Vaughan's Best**.....300 seeds 25

VAUGHAN'S SPECIAL

Single Small Flowering Varieties 1½ ft.

2616 **Alba.** Pure white.....¼ oz. 20c 05

2617 **Carmen Sylva.** Baby blue soft reddish purple..... 05

2618 **Countess of Ellesmere.** Rose with white throat..... 05

2619 **General Dodds.** Blood red.....¼ oz. 20c 05

2620 **Howard's Star.** Regular white star-like stripes on old rose background.....⅛ oz. 30c 10

2621 **Inimitable.** Blotched and striped..... 10

2622 **Meteor.** Deepest velvety blood red..... 10

2623 **Venosa.** Light red veined..... 10

2624 **Good Mixed**.....1 oz. 50c; ½ oz. 30c 05

2625 **Finest Mixed**.....¼ oz. 25c 10

Single Dwarf Varieties

Dwarf, neat, compact bushes covered with a multitude of flowers all summer long, valuable for edging and formal bedding.

2631 **Editha.** The flowers are rose with a dark carmine star, veined and netted with a brilliant carmine..... 15

2632 **Enchantress.** These have a white center which is most effective with the delicate, brilliant light and dark rose, incarnata and delicate lilac of the flowers..... 15

2633 **Improved Rosy Morn.** The plants are bushy and compact, the medium size flowers, produced in great abundance throughout the entire summer and fall are of a most pleasing clear pink, contrasted by a broad white throat. A splendid sort for porch boxes, pots and beds. When this Petunia was first introduced it was hailed with delight by every lover of this attractive annual. Of late years, however, the stock had somewhat "run out," the plants were not as dwarf and compact as when first introduced, nor did the flowers show that beautiful bright pink, which was its chief attraction. The seed we offer now is raised by the original introducer carefully rogued and selected and will bring this variety back into the favor which it so justly enjoyed. 3 packets for 50c..... 20

2634 **Inimitable.** Regular white stars on deep old rose ground. Very effective in masses.....⅛ oz. 15c 10

2635 **Norma.** The flowers are of a pleasing violet blue with a clear white star in the center. 3 packets for 50c.... 20

2636 **Snowball.** Pure white.....⅛ oz. 25c 10

2637 **VAUGHAN'S SPECIAL MIXTURE of Small Flowering Varieties** includes all the above and many others and will be a revelation to those who plant a packet in furnishing an unending supply of flowers in a most bewildering combination of colors as long as the summer lasts..... 10

2655 **PHACELIA Tanacetifolia** ⊙ 1½ ft. Large compact heads of blue flowers. Valuable for bees.....oz. 15c 05

Phlox Drummondi

The Phloxes are the showiest and most easily raised of all Annuals. We know of nothing which produces such a continuous supply of the most attractive flowers in a most wonderful range of colors. All the tints of the rainbow are represented with all possible variations of stripes, veins and eyes of contrasting shades. Seed should be sown in the ground as soon as danger of frost is over and in a few weeks the beds are a blaze of glory. May be grown in beds or borders, boxes or vases and make splendid cutting material as the blooms last long in water.

Grandiflora Varieties

⊙ 1 ft.

This section has beautiful, round-petaled flowers, which overlap each other.

2660 **Alba.** Pure White.
2661 **Alba Oculata.** With white eye.
2662 **Atro-purpurea.** Black brown.
2663 **Carnea.** Flesh color.
2664 **Chamois.** Rose with white eye.
2665 **Coccinea.** Fiery scarlet.
2666 **Coccinea Striata.** Scarlet striped.
2668 **Coerulea Striata.** Blue striped.
2669 **Crown Prince.** The flowers are large of salmony scarlet color.
2670 **Cream with red eye.**
2671 **Isabellina.** Yellow.
2672 **Kermesina Splendens.** Vivid crimson.
2673 **Leopoldi.** Rose with white eye.
2674 **Orbicularis Atro-rosea.** Dark rose with eye.
2675 **Orbicularis Violacea.** Dark blue with eye.
2676 **Rosea.** Pink.
2678 **Rosea Striata.** Pink striped.
2679 **Rosea Aurea Stellata.** Gold Star.
2680 **Stellata Splendens.** Vivid crimson with white star. Pkt.
2681 **Violet.**
All the above.....⅛ oz. 15c; 100 seeds 05
2685 **Splendid Mixture**.....1 oz. 75c; ¼ oz. 25c; 250 seeds 10
2686 **Imported Collection.** 6 varieties..... 25
2688 **Imported Collection.** 12 varieties..... 50
2690 **Drummondi Mixed.** Good Mixture. oz. 50c; ¼ oz. 15c 05
2695 **Cuspidata Mixed (Star of Quedlinburg.)** Mixture of star-shaped flowers.....⅛ oz. 15c 05

2727 **VAUGHAN'S SPECIAL MIXTURE.** Contains all the above varieties and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package.
1 oz. $1.25; ¼ oz. 40c; ⅛ oz. 25c; 250 seeds 15

Semi-Double Varieties. 1 ft.

Especially desirable for cut flowers, lasting better than the single sorts. To produce the best results they should be grown in a light soil.

2702 **Alba.** White..... 10
2704 **Isabellina.** Yellow..... 10
2705 **Coccinea.** Scarlet..... 10
2710 **Semi-Double Varieties Mixed**.....⅛ oz. 20c 10

Nana Compacta Dwarf. 8 in.

These are much superior to the other Phloxes for ribbon bedding or borders. The plants grow very symmetrical in neat, little bushes, covered with flowers during the whole summer and fall. Pkt.

2728 **Chamoisrosa.** Salmon pink.....⅛ oz. 35c 10
2730 **Coerulea Stellata.** Blue star.....⅛ oz. 35c 10
2735 **Fireball.** Blood red.....⅛ oz. 35c 10
2736 **Isabellina.** Yellow.....⅛ oz. 35c 10
2739 **Rose Bush.** The blooms are very large bright rose with dark spots at base of petals and a clear white eye... 15
2740 **Snowball.** Pure white.....⅛ oz. 35c 10
2742 **Splendens.** Crimson with a white eye.....⅛ oz. 35c 10
2744 **Surprise.** The flowers are a clear vermilion with a white center..... 10
2745 **Nana Compacta, Mixed, all colors.** ½ oz. 75c; ⅛ oz. 25c..... 10
2750 **Cecily. Mixed, all colors** Flowers are of immense size, the coloring very bright and nearly all the blossoms display a white eye. Excellent for borders. Plants grow bushy and compact..... ⅛ oz. 50c 15
Cecily Phlox in mixture was first offered by us several years ago and immediately became very popular with all our customers, who admired the large beautiful blooms on small compact bushes, making a bedding plant par excellence as it is an early and continuous bloomer. Now we take pleasure in giving four seperate and attractive colors.
2751 **Pure White**....Pkt. 15 2753 **Sulphur Yellow**... 15
2752 **Fiery Red**..... " 15 2754 **Apricot Color**..... 15

2775 **POINCIANA Gilliesi (Bird of Paradise).** Pretty greenhouse shrub with panicles of golden yellow flowers with vivid red stamens..... 10

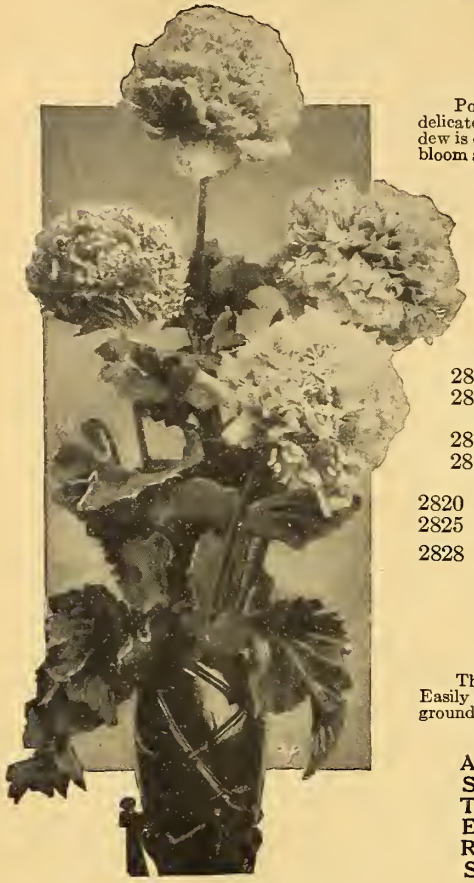
POLYANTHUS.—See Primula.

2776 **POLYGONUM Orientale Pumilum (Knot-Weed.)** A handsome plant bearing an abundance of crimson flowers in drooping racemes; recommended for borders and wild gardens. (See also page 101.)..... 10
2777 **Orientale Pumilum Album.** A charming white variety of the above..... 10
2778 **Orientale Pumilum Fol. Variegatis.** An ornamental plant, with foliage blotched and marbled creamy white. 10

BORDER OF PHLOX DRUMMONDI

POPPIES

Poppies are noted for their satiny flowers of silk-like texture, in many brilliant color combinations. The foliage is delicate and the blossoms are airily poised on slender stems. If the flowers are gathered early in the morning when the dew is on them, they will remain fresh in water all day. Plant the seed in succession two weeks apart for a continuous bloom all summer. Mix seed with sand before sowing so as to distribute the seed thinly and evenly.



POPPY—Double Peony-Flowered

Double Annual Sorts

		Pkt.
2800	**American Flag.** Flowers very large, snow white, scarlet bordered. . ½ oz. 15c	05
2802	**Fairy Blush.** The flowers have the effect of large feathery balls, overcast with a rosy shade ½ oz. 15c	05
2804	**Giant Double Pure White** ½ oz. 20c	10
2805	**Giant Double Yellow** ½ oz. 20c	10
2806	**Giant Double Pink** ½ oz. 20c	10
2808	**Giant Double Cardinal Red** ½ oz. 20c	10
2812	**Mikado.** Flowers brilliant scarlet and white with elegantly curled petals, like Japanese Chrysanthemum ½ oz. 15c	05
2814	**White Swan.** Fringed double white ½ oz. 10c	05
2815	**Carnation-Flowered Mixture of Double Poppies.** Large sized flowers of all shades, many striped 1 oz. 15c	05
2820	**Peony-Flowered Mixture.** Double ball-shaped flowers of gigantic size 1 oz. 15c	05
2825	**Rhoeas Fl. Pl. Double French Mixture.** Double form of the Shirley type. 1 oz. 15c	05
2828	**VAUGHAN'S SPECIAL MIXTURE, Double Poppies.** This includes all the above sorts, and will produce charming flowers in an endless variety of colors ¼ lb. 70c; 2 oz. 40c; 1 oz. 25c; ½ oz. 15c	10

ANTIRRHINUMS
STOCK
Four of Vaughan's Specials
SALPIGLOSSIS

Portulaca (Rose Moss) ⊙ 6 in.

This plant will grow and bloom profusely in a dry, hot situation, where almost any other plant would soon die. Easily transplanted. In sowing mix the seed with dry sand to insure an even distribution. Sow in May when the ground is thoroughly warmed through, and very soon one of the loveliest of floral carpets will appear.

Large Flowering Single

2842	**White** ¼ oz. 20c	05
2844	**Yellow** ¼ oz. 20c	05
2845	**Pink** ¼ oz. 20c	05
2846	**Striped** ¼ oz. 20c	05
2848	**Scarlet** ¼ oz. 20c	05
2849	**Parana.** Extremely large reddish purple flowers	15
2850	**Single Mixed** 1 oz. 50c; ¼ oz. 15c	05
2852	**Imported Collection of 8 Colors**	25

Large Flowering Double

2854	**White** 10	2855	**Yellow**	10
2856	**Pink** 10	2858	**Scarlet**	10
2860	**Double Good Mixture** ¼ oz. 25c			05
2865	**Double Best Mixture** ⅛ oz. 75c			10
2868	**Imported Collection of 6 Colors**			35

"Never in all time did anyone see such lovely flowers as your **Best Single Flowered Petunias**—such great flowers—such a riot of colors—and such colors—words fail me. Imagine a single Petunia 4 inches and more across from point to point. MRS. J. R. KIGHTLINGER, Elmwood, Ill.

Single Annual Poppies

		Pkt.
2780	**Admiral.** Glistening white, with a broad band of brilliant scarlet around the edges ¼ oz. 25c	10
2781	**Black Prince.** Brilliant blackish brown color with a violet hue, contrasting wonderfully with the whitish stamens and the yellowish green seed pods. . ¼ oz. 20c	10
2782	**Bride.** Very large pure white, perfectly formed flowers.	10
	California Poppy. See Escholtzia.	
2783	**Danebrog or Danish Flag.** Brilliant scarlet flowers, with a silvery white spot on each petal, forming a white cross ¼ oz. 15c	05
2784	**English Scarlet Field.** Grows wild in Europe, in the rye fields, together with the blue Cornflower, ½ oz. 15c	05
2785	**Hansa.** The flowers have a pure white ground color, passing towards the finely slitted edge to a deep crimson ¼ oz. 15c	05
2786	**King Edward.** Flowers deep scarlet, shaded crimson, with a large black blotch at the base of each petal	05
2787	**Persian (Laevigatum or Firedragon).** Dark scarlet, black spots ¼ oz. 10c	05
2788	**Tulip (Glaucum).** Large tulip-shaped flowers of dazzling scarlet ½ oz. 15c	05
2790	**Umbrosum.** Rich vermilion flowers with a deep shining black spot on each petal ½ oz. 15c	05
2792	**Shirley, Silk or Ghost.** The most graceful of all Poppies, the beautiful satiny flowers ranging in color from delicate shades of rose, apricot, salmon-pink, and blush to glowing crimson, all with white centers	05
2794	**Virginia.** The flowers are pure white, while the daintly fringed edges are of a delicate pink	10
2795	**VAUGHAN'S SPECIAL MIXTURE Single Poppies.** This mixture includes all the above choice Poppies and many other kinds not listed. It is really extra choice. ¼ lb. 70c; 2 oz. 40c; 1 oz. 25c; ½ oz. 15c	10
2796	**VAUGHAN'S SPECIAL MIXTURE Double and Single Poppies.** Comprises not only all the double and single Poppies described but also a number of other sorts especially purchased for this mixture, including some entirely new ones 1 oz. 30c; ½ oz. 20c	10

PORTULACA—Single

PRIMULA—Obconica Grandiflora

Primula Chinensis ⊾ 8 in.

This is one of the most charming winter flowering house plants, and one that is entirely free from insect pests. Our seed has been specially grown for us by the most celebrated English Primula specialist. The flowers are remarkable, not only for size, beauty and brilliancy of the colors, but for the great substance of the petals.

		Pkt.
2882	**Covent Garden White.** The blooms are very large, and beautifully fringed, petals solid, erect, and very free flowering....100 seeds	25
2883	**Orange King.** The beautiful orange color in the bud, and the orange-salmon shade around the edge of terracotta petals are most pleasing....100 seeds	25
2884	**True Blue.** Beautiful fimbriated blooms of giant size. Good substance The best blue Primula...100 seeds	25
2885	**Giant Pink.** The finest and largest of all the Giant Primulas. Extremely large petals, of great substance. Vigorous, erect habit....100 seeds	25
2886	**Chiswick Red.** Improved strain. Very fine red.100 seeds	25
2888	**Good Mixture of Single Varieties.** French grown..	05
2890	VAUGHAN'S SPECIAL **Vaughan's International Mixture.** Our mixture contains all the choicest colors of the single-flowering Primulas in all their dainty shades....100 seeds	15

Various Sorts

2892	**Malacoides** ⊾ 10 in. The flowers are of a delicate shade of lavender, produced in whorls on tall graceful spikes in great profusion....	25
2893	**Malacoides Alba.** White....	25
2893a	**Malacoides Rosea.** Pink....	25
2894	**Forbesi (Baby Primrose)** ⊾ 2½ 10 in. The flowers are very graceful, of the most pleasing rose color with yellow eyes and are borne on erect stems....	10
2895	**Forbesi Rubra.** Red....	25

Primula Obconica

2897	**Grandiflora Crispa.** The edges of the petals are curled and waved, thereby presenting a flower head which appears larger and fuller than the plain-edged types The color is a beautiful apple-blossom pink...	25
2898	**Grandiflora Fire Queen.** The flowers are of medium size, borne in well-formed clusters, and are of a glowing salmon carmine-red....200 seeds	25
2899	**Grandiflora Coerulea.** A most pleasing soft lavender, which is intensified if the plants are kept partially shaded....200 seeds	25
2900	**Grandiflora Magnifica.** The flowers are large size, of beautiful form with waved edges similar to a Spencer Sweet Pea. The colors range through White, White with Pink hue, and Apple blossom. The plants grow compact, the flower spikes are borne well above the fresh green foliage, and the clusters of the flowers are dense and beautifully ball shaped. Especially desirable for pot culture. 5 packets for $1.00. (Packet about 150 seeds)....	25
2901	**Grandiflora Rosea.** Brilliant rose-pink; flowers of large size and form....300 seeds	25
2902	**Grandiflora Alba.** Large-flowered, pure white. 200 seeds	25

Primula—Continued

		Pkt.
2903	**Obconica Grandiflora Kermesina.** Brilliant carmine red, large flowered....300 seeds	25
2904	**Obconica Salmonea (Salmon Pink).** The color is a beautiful salmon pink, much more pleasing than that of the Grandiflora Rosea, although the size of the flowers and the flower heads is not as large as that of the latter. About 60 per cent of the seed will produce salmon-colored flowers. Per packet, of about 150 seeds....	25
2905	**Obconica Grandiflora Mixed.** A well-balanced mixture of all the above....350 seeds	25

Obconica Gigantea

The leaves are dark green, thick and leathery, roundish, veined at the edges, and often measure six inches in diameter. The flower stalks are stiff and strong. The flowers are of good shape, measure from 1¼ to 1½ inches in diameter, and are borne in clusters up to four inches across.

2906	**Gigantea Rosea.** A beautiful clear rose...200 seeds	25
2907	**Gigantea Oculata.** The pink flowers have a large dark eye....150 seeds	25
2908	**Kermesina.** Brilliant carmine red; a beautiful and very conspicuous color....200 seeds	25
2910	**PYRETHRUM Parthenifolium Aureum. (Golden Feather)** ⊙ 6 in. One of the best plants for edging, grown for its beautiful yellow foliage. Most successfully treated as an annual....¼ oz. 20c	5
2911	**Selaginoides.** Fern leaved....	10
2925	**RHODANTHE Mixed** ⊙ 1 ft. Very beautiful, delicate looking, everlasting....¼ oz. 15c	05

Ricinus (Castor Bean) ⊙

Stately, strong growing plants, with very ornamental foliage, well adapted as center plants of groups of Cannas, Dahlias, etc. Moles are troublesome in many gardens, but they may be kept away by planting Castor Beans in the borders.

2930	**Borboniensis Arboreus.** 15 ft. Immense plants with green foliage....1 oz. 10c	05
2932	**Cambodgensis.** 6 to 8 ft. Large palm-like leaves of the darkest bronze maroon; stalk and stem nearly black....1 oz. 10c	05
2933	**Gibsonii.** 5 ft. Handsome bronzy mulberry-colored stems and foliage, very effective....	05
2934	**Panormitanus.** 8 to 10 ft. Huge leaves of a peculiar old bronze shade; stems blue powdered, very ornamental....1 oz. 25c	10
2935	**Sanguineus.** 6 ft. Green leaved, red stems and seeds....1 oz. 10c	05
2936	**Zanzibariensis Mixed.** 10 to 12 ft. The ornamental leaves, beautifully lobed, are 2½ to 4 ft. across. Each plant makes a perfect pyramid of foliage thickly set from top to bottom....1 oz. 15c	05
2937	**Imported Collection.** 8 varieties....	35
2938	**Mixed.** Many sorts....1 oz 10c	05

RICINUS (Castor Bean)

SALVIA SPLENDENS—Clara Bedman

SCABIOSA—Double Large Flowering

SALPIGLOSSIS—Vaughan's Special Mixed

Flower Seeds in Quantity
We shall be pleased to quote prices on larger quantities than are quoted in this catalog.

		Pkt.
2940	**ROSE Polyantha.** 1 ft. Miniature Fairy Roses, forming little bushes covered with dainty little single and semi-double flowers, six months after sowing	10
2942	**RUDBECKIA Bicolor Superba (Coneflower)** ⊙ 2 ft. Produces an abundance of bright yellow flowers with brown central disc; fine for cutting	10
2943	**Bicolor Superba Semi Plena**	10

Salpiglossis ⊙ 2½ ft.

Undoubtedly one of the most attractive annuals and should be in every garden. The blossoms are tube shaped much like a Petunia but rivalling the latter in the beautiful colors displayed. Each flower is veined with a glint of gold, and it is the only flower to our knowledge possessing this odd characteristic. The Salpiglossis is deservedly known as the Orchid of Hardy Annuals. If you are not familiar with this, try one package and we know your garden will always contain it after you have seen it.

2946	**Bright Crimson**	15
2947	**Faust.** Black	15
2948	**Lilac and Gold**	15
2949	**Pink**	15
2950	**Purple Violet with Gold**	15
2951	**Velvety Violet**	15
2952	**Golden Yellow**	15
2953	**Mixed.** Good quality. ¼ oz. 20c	05
2955	**Emperor Mixed.** Large improved strain, complete range of colors. ⅓ oz. 20c	10
2960	**VAUGHAN'S SPECIAL MIXTURE.** This mixture is put up by ourselves of separate varieties and is without doubt the best mixture obtainable. (VAUGHAN'S SPECIAL)	15
2961	**Imported Collections.** 6 Varieties	50

Salvia

2964	**Coccinea** ⊙ 2 ft. Annual scarlet sage. ¼ oz. 15c	05
2965	**Farinacea** ⊙ 3 ft. Tall spikes of silvery lavender blooms from a dense mass of foliage	05
2966	**Patens** ⌓ 2 ft. Ultramarine blue, beautiful flowers	10
2967	**Horminum Violacea** ⊙ 1½ ft. Clary. Flowers beautiful violet blue; useful for bedding	10

Vines for immediate effect from seed: Morning Glory, Moon Flower, Nasturtium, Cypress Vine, Japanese Hop, Balloon Vine, Allegheny Vine, Canary Bird Creeper, Gourds, Balsam Apple, Coccinea, Cobaea, Dolichos, Scarlet Runner, Mina Lobata, Wild Cucumber, Passion Flower.

Salvia Splendens (Scarlet Sage)

The Salvia Splendens is a standard bedding plant that keeps the garden bright with color until late in autumn. This plant lends itself to many uses; it makes a good pot plant, does well in window boxes, and is useful for cutting. Its best use, however, is as a hedge or border plant, for brilliant color effect.

		Pkt.
2969	**Fireball.** 1½ ft. The bushy plant is covered with a great number of flower spikes of the most fiery scarlet. The plants branch freely, the side shoots often producing 4 to 6 flowering spikes	15
2970	**Clara Bedman or Bonfire.** 2 ft. The spikes grow erect and stand clear above the foliage. The plants form handsome globular bushes. ⅛ oz. 50c	10
2972	**Drooping Spikes.** 2½ ft. This large flowering variety has three times the flowering capacity on each spike of the ordinary Salvia Splendens. ⅛ oz. 40c	10
2973	**Zurich.** Early. The plants are dwarf and compact with large brilliant flower spikes	20
2974	**Splendens.** 2½ ft. The original Scarlet Sage	05
2975	**Mixed.** The above sorts and others. ⅛ oz. 35c	10

3000	**SANVITALIA Procumbens Fl. Pl.** ⊙ 6 in. Small double yellow flowers produced in abundance all summer, excellent edging plant. ¼ oz. 20c	05
3001	**SAPONARIA Calabrica** ⊙ 1 ft. Dwarf annual with small pink starry flowers borne in profusion; excellent for edgings or small beds	10
3002	**Vaccaria** ⊙ 3 ft. Splendid tall growing variety of branching habit with pale rose flowers	10

Scabiosa (Mourning Bride) 2½ ft. ⊙

Commonly known as the Pincushion Plant. The flower stems are long and the blossoms keep well in water. The soft shades predominate. When given plenty of room and the seed vessels are kept regularly picked off, it will last through the whole of the summer. Owing to its sweetness the bees are very fond of it and its floral flavors also attract all the most beautiful types of butterflies to the neighborhood.

Large Flowering Double

3010	**Snowball**	10	3016	**Azure Fairy**	10
3012	**Golden Yellow**	10	3017	**Cherry Red**	10
3014	**Flesh**	10	3018	**Black Prince**	10
3015	**Fiery Scarlet**	10			

3020	**Mixed.** The above and many others. ½ oz. 20c	05
3025	**VAUGHAN'S SPECIAL MIXTURE.** Many new colors have been purchased for this, our latest special mixture and we are sure the delicate and soft colors will be admired by all our friends who plant a packet of this seed (VAUGHAN'S SPECIAL)	10

SCHIZANTHUS Wisetonensis

STOCKS—Beauty of Nice

STOCKS—Giant Perfection

3030 **SCHIZANTHUS Hybridus Grandiflorus** ⊙ 1 ft. **(The Poor Man's Orchid.)** Neat pyramidal bushes covered with a multitude of small butterfly-like flowers of the most brilliant and striking color designs..... Pkt. 10

3032 **Wisetonensis** ⊙ 1½ ft. A charming annual with graceful fern-like foliage and a profusion of flowers varying from almost white with yellow eye to a brilliant rose with bronzy brown center. A really beautiful subject for the flower border from seed raised in February, and for winter decoration in greenhouse from seed raised in May and June..... 25

3033 **SCHIZOPETALON Walkeri** ⊙ 1 ft. White flowers, delightfully fragrant in the morning, evening, or after a shower; scatter the seed as is done with Mignonette, everywhere in beds, borders, etc..... 10

3034 **SEDUM Coeruleum** ⊙ 4 in. Pale azure-blue, a pretty dwarf annual, charming in pots and on rockwork.... 05

3035 **SENECIO Elegans Fl. Pl. Mixed** ⊙ 1 to 2 ft. **(Jacobaea or American Groundsel.)** Free flowering pot plant 05

SENSITIVE PLANT. See Mimosa.

3036 **SHAMROCK.** 3 in. True stock..... 10

3037 **SILENE Armeria Mixed** ⊙ 1½ ft. **(Catchfly).** A very showy early-flowering hardy annual, bearing in quantity, heads of beautiful white, pink and red flowers ... 05

3038 **Pendula Alba.** 1 ft. Splendid for spring bedding... 05

3039 **Rosea**..... 05

3040 **SMILAX** ⌓ § 6 ft. Makes a fine pot or basket plant. Elegant for table decoration when cut 05

SNAPDRAGON. See Antirrhinum.

3042 **SOLANUM Capsicastrum Nanum** ⌒ 2 ft. **(Jerusalem Cherry.)** Easily grown plants with ornamental fruit. Especially fine for pots..... 10

3043 **Melvini.** The fruits cling firmly to the plant..... 10

3044 **Christmas Pepper.** 1 ft. Pot plant grown for the ornamental, bright colored fruit..... 10

3045 **STATICE, Russian** ⊙ 1 ft. Flowers bright rose color; valuable for winter bouquets..... 10

3046 **Bonduelli.** Producing numerous heads of bright yellow flowers, valuable for drying, very attractive..... 10

3047 **Sinuata Blue.** Forming pretty rosettes of foliage from which rise branching flower stems 2½ ft. high, light to dark lavender flowers..... 10

3048 **Sinuata Rosea**..... 10

3049 **STEVIA Serrata** ⊙ ⌒ 2 ft. Free-blooming plants, bearing a multitude of fragrant pure white flowers; suitable for summer or winter blooming and cutting.. 10

3136 **SWAINSONIA Grandiflora Alba** ⌒ 3 ft. Loaded from tip to base with graceful sprays of large, pure white, waxy, sweet pea-like flowers; acacia-like foliage. 10

Stocks—Large Flowering ⊙ (Levkojen)

The Stocks represent all the desirable qualities of a flower. The plants have good habit, fine dull or glossy leaves. The flowers appear on long, stiff stalks like small rosettes, are exceedingly fragrant and range through a most complete scale of all the soft and distinct shades.

Dwarf German 10 Weeks 1 ft.

This class is a favorite for outdoor bedding.

3050	**White**	3052	**Canary Yellow**	
3053	**Flesh**	3054	**Brilliant Rose**	
3055	**Crimson**	3056	**Light Blue**	Pkt.
3058	**Purple**	Each of the above		10
3060	**Fine Mixed**		⅛ oz. 15c	05
3070	**Best Mixed**		⅛ oz. 25c	10
3072	**Imported Collection.** 6 colors			30
3074	**Imported Collection.** 12 colors			60

Giant Perfection 1½ ft.

Useful for outdoor bedding as well as for pots or cut-flower. They throw out numerous side branches, all bearing very double, fragrant flowers.

3075	**White**	3080	**Scarlet**
3076	**Canary Yellow**	3082	**Light Blue**
3078	**Pink**	3084	**Dark Blue**
	Each of the above		10
3085	**Giant Perfection Mixed**	⅛ oz. 40c	10
3086	**Imported Collection.** 6 colors		50

Beauty of Nice 2 ft.

A handsome winter stock of quick growth, flowers of large size.

3090	**White**	3095	**Pink**
3092	**Monte Carlo.** Yellow	3096	**Crimson**
3093	**Azure Blue**	3097	**Old Rose Improved**
3094	**Queen Alexandra.** Delicate rosy lilac.	3098	**Dark Violet**
	Each of above.....10	3100	**Mixed**..... 10

Bismarck 2½ ft.

If sufficient room is given, the plants develop to enormous dimensions, forming magnificent bushes, with long and large flower stalks. Blooms after the ten weeks stocks have ceased.

3105 **White.** 3108 **Gold Ball.** 3110 **Lavender**
Each of the above..... 15

3131 **VAUGHAN'S SPECIAL MIXTURE of Stocks.** Contains all the above and many others not catalogued..... 15

3132 **STREPTOCARPUS Largest Hybrids** ⌓ 9 in. Handsome pot plants, bearing for a long time in succession large trumpet-shaped flowers, ranging in color from lavender, purple, and rose to pure white. Seedlings raised in early spring flower in summer..... 25

3137 **SWEET CLOVER (Gracilis Melilotus) White.** ⊙ 2 to 3 ft. Blooming first season, white, sweet-scented flowers 05

3138 **Blue (Melilotus Coerulea).** Very fragrant..... 05

3139 **Yellow (Trifolium Suaveolens)**..... 05

SWEET PEAS—Large Flowering and Unwin Types § 5 to 6 ft.

Below we offer a revised list of this class of Sweet Peas which includes every color known. We have omitted all small flowering and inferior varieties and duplicates under different names. If anyone familiar with a name of variety not catalogued here will write us for it, we can probably send precisely the same shade of color in an improved variety, under one of the names we list here.

		¼ Lb.	Oz.	Pkt.
3400	**America,** blood-red striped white	$0 20	$0 10	$0 05
3401	**Black Knight,** dark maroon	25	10	05
3402	**Blanche Ferry,** pink and white	20	10	05
3403	**Dainty,** white with pink picotee edge.	20	10	05
3404	**Dorothy Eckford,** one of the best whites	20	10	05
3405	**Emily Henderson,** white, early and free	20	10	05
3406	**Frank Dolby,** finest pale blue	40	15	05
3407	**Flora Norton,** a very bright blue	25	10	05
3408	**Gladys Unwin,** pale rosy pink	30	10	05
3409	**Hon. Mrs. E. Kenyon,** yellow	25	10	05
3410	**King Edward VII,** fine scarlet	20	10	05
3411	**Lady Grisel Hamilton,** lavender	25	10	05
3412	**Lord Nelson,** richer than Navy Blue	25	10	05
3413	**Mrs. George Higginson, Jr.,** delicate light blue	25	10	05
3414	**Mrs. Walter Wright,** beautiful mauve	25	10	05
3415	**Nora Unwin,** giant white	30	15	05
3416	**Prima Donna,** soft pink	25	10	05
3417	**Queen Alexandra,** giant size scarlet	25	10	05
3418	**Salopian,** dark bright red	20	10	05
3419	**Senator,** chocolate, striped white	20	10	05
3420	**White Wonder,** many-flowered white	25	10	05

Sweet Peas In Mixture

3429 **Eckford's Mixture.** Contains some of each of the entire list of varieties and cannot fail to give satisfaction. lb. 60c; ¼ lb. 15c; oz. 5c

3450 **Sweet Peas, Vaughan's Prize Mixture.** This is the only complete and thoroughly up to date mixture in existence. It is mixed from a carefully prepared formula which is revised each year. The daintiest colors of all the Spencers, Large Flowering and Unwin types as well as darker combinations make a garden a continued joy.
1 lb. $1.00; ½ lb. 50c; ¼ lb. 30c; oz. 15c; pkt. 10c.

VAUGHAN'S SPECIAL

Sweet Peas for Fall Planting

Sowing in late November or early December in the open ground secures flowers earlier in the season than from seeds grown in spring, and the root growth is stronger, so it carries a plant through a dry season better, and the season of blooming is prolonged.

Mixed Sweet Peas In Separate Shades.

For such as prefer to grow the various colors separate we have arranged the following mixtures out of the finest named sorts.

3421 **Pink Shades.** Light to deep pink.
3422 **Red Shades.** Bright rose to dark scarlet.
3423 **Lavender and Blue Shades.** Pale lavender to mauve.
3424 **Purple and Maroon Shades.** All the dark colors.
3425 **White and Primrose Shades.** All the delicate tints.
3426 **Striped Sorts.** Various combinations.
Each of the above, lb. $1.00; ¼ lb. 30c; oz. 10c.
3427 **Collection of one ounce each of the six separate shades 40c.**

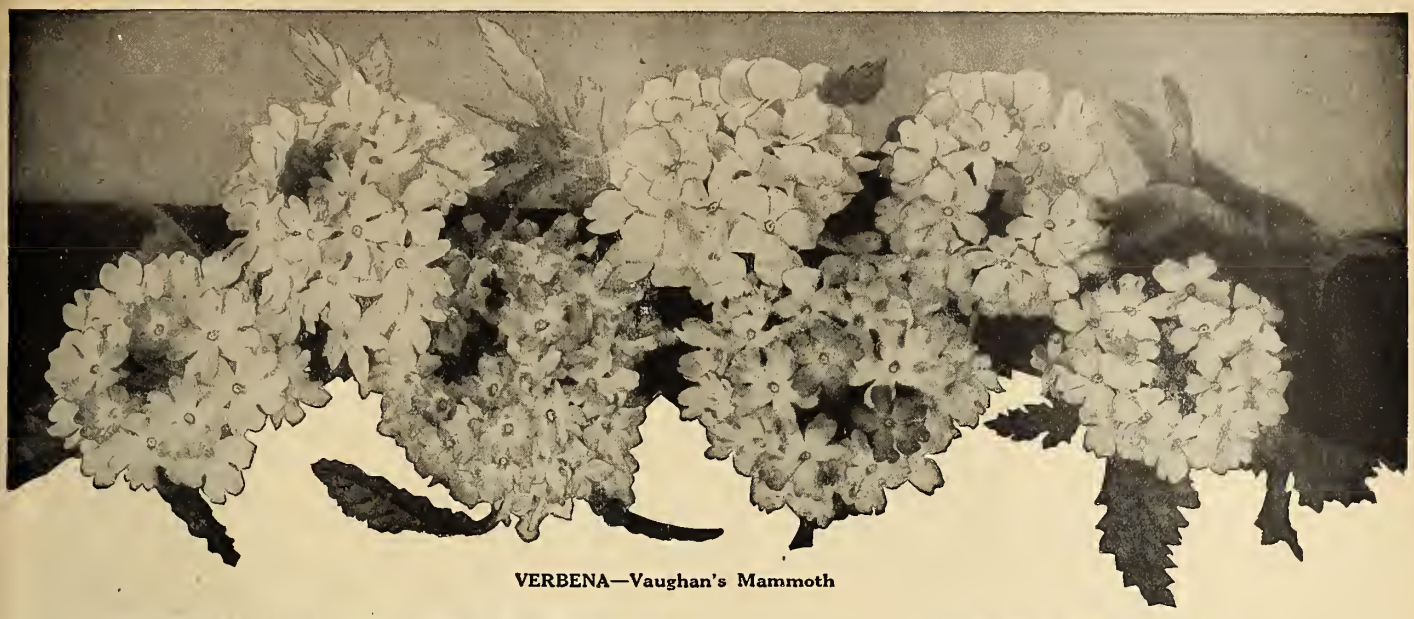
A leaflet "How to Grow Sweet Peas" furnished with each order of Sweet Peas if asked for at the time of ordering. All light blue and orange varieties should be provided with shade for the better development of color.

Christmas or Winter-Flowering Sweet Peas

A separate class that has become popular for greenhouse forcing. They start blossoming in from eight to twelve weeks from sowing and blossom uninterruptedly for weeks. The flowers are of very fine size, on long stems, grown out-of-doors they blossom early but smaller.

3451 **Christmas Countess.** Sky blue
3452 **Christmas Meteor.** Red
3453 **Christmas Pink.** Pink and white
3454 **Christmas Prima Donna.** Daybreak pink
3455 **Christmas Sunbeam.** Lemon colored
3456 **Christmas White**
3457 **Mrs. Alexander Wallace.** Lavender
3458 **Mrs. William Sim.** Salmon pink
3459 **Le Marquis.** Navy blue
3460 **Winter Flowering Mixed.** All the above mixed
Any of above: Pkt. 5c; oz. 15c; ¼ lb. 50c.

For Novelties and Spencer or Butterfly Sweet Peas, please refer to pages 12 and 13.



VERBENA—Vaughan's Mammoth

3512 **THUNBERGIA Alata Mixed (Black Eyed Susan)** ⊙ § 5 ft. Beautiful trailing plants for hanging baskets and lawn vases ..... ¼ oz. 15c — Pkt. 05

3515 **TORENIA Fournieri Grandiflora** ⊙ ⌂ 10 in. Bushy globular plants literally covered with the lovely richly colored, snapdragon-like flowers of a delightful sky-blue. They are excellent for beds, pots or hanging baskets.. 10

3516 **Bailloni.** Flowers yellow with purple throat..... 10

3517 **White Wings.** Flowers white with rose throat..... 10

Verbena Hybrida ⊙ 9 in.

Verbena is one of the most popular garden annuals and lends itself willingly to many uses. For beds, borders, mounds, vases and window boxes it is particularly fine, and is frequently used for an undergrowth to tall plants like lillies. The clusters of showy and often fragrant flowers are borne in constant succession from June until frost.

3524 **Auricula-Flowered.** All have white eyes..... 05

3525 **Defiance.** A real intense scarlet..... 05

3526 **Dark Blue with White Eye.** Very showy..... 05

3528 **Striped.** Mostly light colors with red and blue stripes. 05

3530 **Stellata Carminea.** Carmine with a white eye..... 10

3532 **Stellata Purpurea.** Purple and white eye..... 10

3534 **Stellata Coccinea.** Scarlet with white eye..... 10

3535 **Good Mixed**.....1 oz. 60c; ⅛ oz. 10c 05

3540 **Mixed, extra choice.** The above and the mammoth sorts and others.....1 oz. $1.00; ⅛ oz. 15c 10

Mammoth Types

A carefully selected and improved strain of Verbenas. The trusses and individual flowers are of the largest size, of brilliant colors; free blooming and of vigorous habit.

3542 **White.** Dense heads of finely shaped white flowers.... 10

3544 **Mayflower.** Pink..... 10

3545 **Striped, White on Red Ground**..... 10

3546 **Aurora Borealis.** Fiery red..... 15

3547 **Firefly.** Intense red..... 10

3548 **Commandant Marchand.** Dark purple..... 15

3549 **Purple.** Dark purple..... 10

3550 **Mammoth Mixed.** Producing in handsome unbels flowers of large size in beautiful shades of white, rose, scarlet, blue, purple.....¼ oz. 25c 10

3551 **Hybrida Gigantea.** A wonderful mixture of large flowering varieties introduced by a German specialist. The flowers are as the name indicates, gigantic, and with white eye, the reds particularly attractive 10

3555 **VAUGHAN'S BEST MIXTURE.** This embraces all that is choice and desirable in Verbenas. It includes the mammoth flowered strains of three Verbena specialists, the dazzling Defiance, the Mammoth White, Purples, Striped, and all the Auricula flowered varieties with their large umbels of white-eyed flowers. We feel perfectly safe in stating this mixture of Verbenas will eclipse every other strain offered by any other house, and it will produce flowers that will delight all beholders throughout summer. 1 oz. $3.00; ⅛ oz. 50c; large packet 25c; 125 seeds..... 15

VAUGHAN'S SPECIAL

Verbena—Continued

3556 **Dwarf Mixed.** 6 in. Good for edging, making an even carpet of blossoms and leaves..... — Pkt. 10

3557 **Citriodora (Lemon Scented Verbena)** ⌒ 3 ft. An old favorite with fragrant evergreen leaves. It is a low-growing tender plant and may be grown in the garden in summer and in pots in winter, and the leaves dried and laid among linens..... 10

3558 **Erinoides.** Forming elegant little spreading bushes with finely cut foliage and pretty heads of bloom, purplish rose changing to Oxford blue..... 10

3559 **Erinoides Alba.** Of the same character as above, but with white flower heads, very pretty..... 10

3560 **Teucrioides.** Characterized by fragrant white flowers in very long clusters..... 10

3561 **Venosa** 1 ft. Largely used for bedding purposes, strong, thrifty growers covered with bright purple and heliotrope flowers..... 05

Vinca Rosea (Periwinkle) ⌂ 1 ft.

Ornamental free blooming plants, with dark laurel-like foliage and handsome pink and white flowers. Seed should be sown early and then the plants will bloom the first summer. They can be taken up in the fall like Chrysanthemums, potted, and kept in bloom through the winter. Germinates slowly.

3580 **White**.....⅛ oz. 15c 05

3582 **White with Eye**.....⅛ oz. 15c 05

3584 **Pink**.....⅛ oz. 15c 05

3585 **Mixed**.....¼ oz. 25c 05

3610 **VISCARIA Cardinalis** ⊙ 1 ft. Very showy and effective garden annuals, producing freely throughout the summer large single flowers of brilliant crimson. Very bright and effective for beds and useful for cutting.. 05

3611 **Mixed.** Pretty plants with a mass of bright open flowers in red, white and blue shades..... 05

3612 **VIRGINIAN STOCK Mixed** ⊙ 6 in. Sown early these pretty annuals are gay in the period between the spring and summer flowers, their fresh bright colors in lines and beds producing a charming effect..oz. 25c; lb. $2.50 05

Wallflower (Goldlack) ⌒ 1½ ft.

Wallflowers should be better known. Their adaptability for pot culture and out-door bedding and the peculiar sweet fragrance of their flowers should win favor. The oriental coloring of the flowers in their rich reds and yellows is very effective. They are easily grown and last long as cut flowers. Not hardy in the northern states, should be wintered in cold frames.

3615 **Single Mixed**.....¼ oz. 15c 05

3616 **Single Annual Blood Red**..... 10

3620 **Double Mixed**..... 10

3622 **Single Annual Mixed**..... 10

3623 **WHITLAVIA Gloxinioides** ⊙ 1 ft. Blue flowers deep lavender-blue with white throat resembling small Gloxinias 05

VAUGHAN'S ZINNIAS

"Youth and Old Age"

Plant these—you will have flowers from early Summer until late Fall.

These attractive and decorative hardy annuals are most desirable plants for mixed borders or bedding purposes, and are remarkable for the profusion and duration of their flowers, which are extremely useful for bouquets. The double Zinnias are exceedingly handsome, the flowers being notable for their large size, fine form, brilliancy and diversity of color. The plants come quickly from seed and are easily transplanted.

Elegans Fl. Pl. Double Flowered 2½ ft.

				Pkt
3702	**Alba.** White	3708	**Scarlet**	
3704	**Golden Yellow**	3710	**Jacqueminot** Blood red	
3705	**Flesh Color**			
3706	**Rose**	3712	**Zebra Striped**	
	Each of above.....¼ oz. 25c			10
3713	**Double Good Mixed**.....1 oz. 25c; ½ oz. 15c			05

New Giant Flowered or Colossal ⊙ 3 ft.

The flowers are of enormous size, thickly set with velvety petals The plants are healthy, vigorous, branching freely, and make excellent material for groups or cutting.

		Pkt.			Pkt.
3714	**White**.....	15	3718	**Crimson**.....	15
3715	**Golden Yellow**...	15	3719	**Scarlet**.....	15
3716	**Sulphur Yellow**..	15	3720	**Violet**.....	15
3717	**Flesh Color**.....	15	3721	**Purple**.....	15

3722 **Imported Collection.** 8 varieties as noted above.... 50

This collection is one we have offered for two years past and is one of the items we carry for which we have received many unsolicited testimonials.

3723 **VAUGHAN'S COLOSSAL ZINNIAS Mixed.** Last year we offered this strain for the first time on our front cover page, and in consequence nearly all our friends had the pleasure of these old favorites in their new beauty. The flowers are gigantic in size and deep and velvety in appearance, exhibiting all the new and interesting colors. ¼ oz. 30c. 15

3724 **Vaughan's Giant Flowered Mixed.** This is a mixture of large Zinnias; plants are of vigorous growth, about 3 ft. in height and very profuse of bloom. The flowers are extremely double, and very brilliant in color. ½ oz. 30c..... 10

3725 **Double Crested and Curled.** The flowers are large, the petals being twisted and curved into most graceful forms. The colors comprise all the brilliant shades characteristic of the Zinnias.....¼ oz. 25c Pkt. 10

New Shades

3726	**Apple Blossom**	3728	**Old Rose**	
3727	**Burnt Orange**	3729	**Black Purple**	
3730	**Giant Striped.** Each of the above.....			10

3735 **Liliput Double Mixed** 15 in. The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers, hardly exceeding a daisy flower in size. They are very pretty plants, bloom all summer until late in the fall.....¼ oz. 25c 10

3740 **Pompon Double Mixed** 2 ft. A very fine strain, containing many rich colors and shades. The flowers are in size between the Liliput and the Large-flowering varieties.....½ oz. 15c 05

3745 **Red Riding Hood** 1 ft. Of compact form and covered the entire season with little button-like, intense scarlet flowers not over an inch across; as a border plant it is highly effective.....¼ oz. 25c 10

3750 **Mexicana Hybrida** 12 in. Flowers the size of a large daisy, single, semi-double and double, and the colors are in the most unique, pleasing and numerous variations. In it are found shades peculiar to the Marigold, the Gaillardia, and the Chrysanthemum. They are extremely free flowering and pretty.....¼ oz. 25c 10

3755 **Mexicana Hybrida Fl. Pl.** 15 in. Double miniature Zinnia, flowers bright golden yellow, fine for edging. This plant deserves wide cultivation.....¼ oz. 25c 10

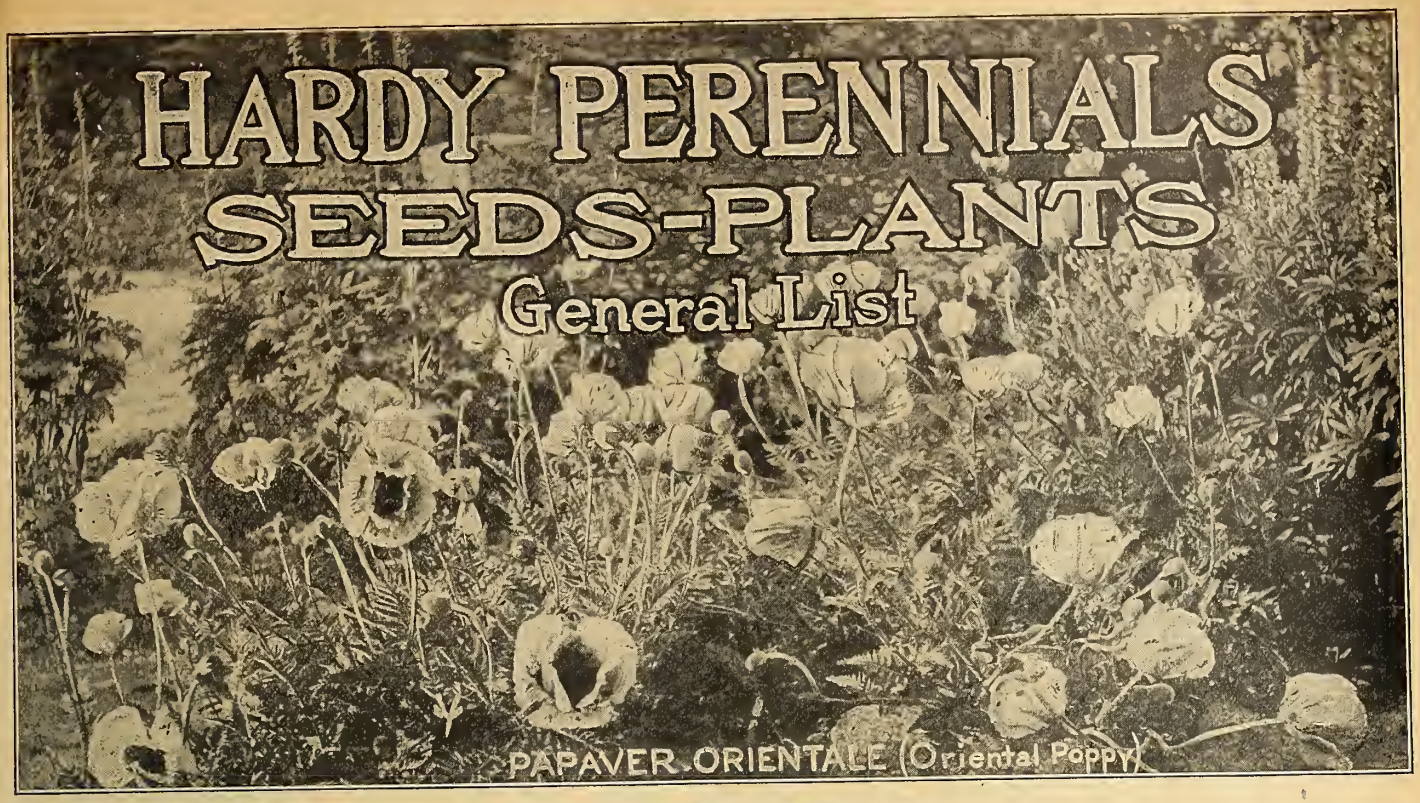
Wild Cucumber (Echinocystis Lobata)

3760 This is the quickest growing climber on our list. Grows wild self-sown, in many parts of the west. Should be sown late in the fall or very early in the spring. It is thickly dotted over with pretty, white fragrant flowers, followed by an abundance of ornamental and prickly seed pods. For a trellis or pillar no annual vine is more chaste, and it will quickly cover an old tree or unsightly building. The seed of this should be cut and soaked in water before sowing, see instructions on back of bag.....1 lb. $1.50; ¼ lb. 40c; 1 oz. 15c; ½ oz. 10c Pkt. 05

3765 **XERANTHEMUM Double Mixed** ⊙ 2 ft. Bright and pretty 'Everlasting' with silvery foliage and silky flowers in pink, white and purple.....¼ oz. 15c Pkt. 05

3770 **ZEA Japonica Quadricolor Perfecta** ⊙ 4 ft. This charming grass forms an object of great beauty in mixed beds and borders or isolated in groups on lawns, in subtropical gardens, etc.; it thrives in rich light warm soils. The leaves are striped in yellow, green, rose and dark red.....¼ oz. 20c 05

3775 **WILD FLOWER GARDEN.** A mixture of easily grown annuals, for the decoration of children's gardens, prairies, shrubberies, or roadside planting, etc. 1 lb. 75c; ¼ lb. 25c; 1 oz. 10c..... 05



(FOR NEW AND RARE PLANTS SEE PAGE 14)

The spirited and perpetual charm of hardy gardens has won for them wide and intense enthusiasm. While natural and restful in general effect, their beauty is yet ever varying and ever appealing, for flowers may be found in them throughout the season—something new of interest every day. Inspiration for the best work of recent years has come from gardens planted long ago. We have seen them grow into richer, fuller and mellower beauty instead of fading with time, and how colonies of old garden favorites sometimes outlive, on the same spot, three generations of owners. Thus we are learning to take the finer, more enduring old gardens for our models, welcoming back to our borders the drifts of Snow-pinks, the gay Peonies, and Hollyhocks, sweet-breathed Day Lilies, brilliant Poppies, the Larkspurs, Phloxes, Irises,, and all the year's train of the oldtime Hardy Flowers. We offer here a most complete list of seeds and plants of these hardy flowers.

Customers will please state distinctly which they require **Plants, Seed, or both,** where such are offered, and use the order sheets supplied for each.

SEED SOWING

Raising Perennials from seed requires a knowledge of plants, their likes and dislikes, which cannot be conveyed in a few words, but a few things to be done and to be remembered will be found acceptable to the amateur whose facilities for seed starting may be scant, while to the accomplished gardener with all the latest appliances we may perchance, renew his elementary rules:

THE TIME TO SOW Many Perennials such as Aquilegia, Gaillardia, Hollyhock, Myosotis, Larkspur, Sweet William, etc., sown inside very early in Spring, (Feb. or March) should blossom the same year, but the general rule for all is August or September sowing, outdoors, and is the best way for those who have no conservatory or cold frame for early sowing.

STARTING THE SEED INSIDE Fill the seed boxes, pans or pots with a light, well pulverized mixture of sand and fresh loam, and sow seeds on the surface, or not more than ¼-inch underneath. Water as required and give air and light, shading during bright days. When strong enough, transplant into large flats, or to permanent quarters.

LATE SUMMER AND FALL SOWING Sow in boxes outside and shade, or in partially shaded border or cold frame; later plant out permanently, and at the commencement of frost give them a light covering of straw, leaves or dry litter.

If the plants are not too overgrown and crowded they may be left in the seed bed over winter. Losses will sometimes occur with beginners but "experience teaches" and it is only by experience that these can be overcome.

PLANTING

It is always advisable to have a planting plan, no matter how crude, and arrange on a paper the plants you wish to use in their exact relation to position, bearing in mind the heights, colors and time of flowering or foliage effect. All this may be had by consulting our list. It is always wise to plant in masses as these Perennials are usually found so in nature, and natural conditions should be copied as much as possible.

Parties ordering for first time and not familiar with the different sorts will do well to consult us, allowing us to make the selection, as we are always willing to give our customers the benefit of our many years of experience,

Bearing in mind that the plants must remain as set for several years, it is as well to make a thorough preparation. Have the ground in good tilth before doing any planting. Spade in a liberal quantity of well rotted manure and bone meal in the fall before, if convenient.

Planting should be commenced as early as possible in the spring usually about ten days after the frost is out of the ground, The soil is then in good condition. By planting early, the plants have a chance to become established before the hot weather sets in, and will then give better satisfaction the first year. Do this work carefully and cultivate thoroughly afterwards. Pains taken in this direction will be amply repaid. **(These notes refer only to the spring planting of established plants from our plant establishment.)**

VAUGHAN'S "SUNNY BORDER" COLLECTION HARDY PLANTS

For planting in sunny situation

1 Achillea, The Pearl	**1 Dianthus (Hardy Pink)**
3 German Iris	**3 Phlox (3 colors)**
2 Gaillardia Grandiflora	**3 Hardy Asters**
3 Delphinium	**1 Coreopsis**
1 Hemerocallis (Lemon Lily)	**1 Hollyhock**
1 Helenium (Sunflower)	**1 Funkia Lanceolata**
1 Rudbeckia	**3 Sweet William**

25 STRONG PLANTS FOR $3.00 PREPAID

VAUGHAN'S "SHADY BORDER" COLLECTION HARDY PLANTS

For planting in shade or partial shade

2 Aconitum Napellus (Monkshood)	**2 Funkia (Day Lily)**
2 Anemone Sylvestris	**2 Papaver (Oriental Poppy)**
3 Aquilegia Mixed (Columbine)	**2 Primula Veris (Hardy Primrose)**
3 Campanula Persicifolia (Peach Bells)	**1 Trollius**
3 Digitalis Mixed (Foxglove)	**1 Hardy Fern**
3 Iberis (Hardy Candytuft)	**1 Rudbeckia Newmanni**

25 STRONG PLANTS FOR $3.00 PREPAID

We do not offer these collections in seeds. Please do not ask us to substitute any of the above plants.

When ordering SEEDS don't overlook

Vaughan's Special Mixtures

WATCH FOR THIS SIGN

It's a small thing to look for—A big thing to find

These mixtures are put up by ourselves. We know everything they contain. The finest strains that we can grow or buy are put into them, and the results have already been and will be again a **grand surprise** to all flower lovers.

How to Order.

Please follow these instructions to avoid delay and unnecessary correspondence.

When ordering PLANTS, give names of varieties
When ordering SEEDS, use marginal numbers
We cannot supply plants of any varieties, where plants are not offered, nor can we supply seeds of those where plants only are mentioned.

PLANTS BY PARCEL POST

When requested we send small orders by this means, but always prefer to send **BY EXPRESS,** as we can send larger plants, pack more carefully, and they arrive in better condition. Please remit extra money as follows for postage:
Single plants, **5c;** 3 plants, **10c;** 6 plants, **15c.** 12 plants, **20c.**

ABOUT PRICES OF PLANTS

Where the price each is given, the following are our rates for 3 and 12 of a kind.

Each	3 for	Dozen	Each	3 for	Dozen
15c	40	$1.50	35c	$1.00	$3.50
20c	55	2.00	40c	1.10	4.00
25c	65	2.50	45c	1.25	4.50
30c	80	3.00	50c	1.40	5.00

NOTE—The numbers in left hand column indicate varieties of which we offer SEED, this number is sufficient and more acceptable to us when ordering seeds. Where no number appears, we offer PLANTS only.

ACHILLEA—The Pearl

Perennial Flower Seeds and Plants

5000 **ABOBRA Viridiflora.** 15 ft. A rapid growing climbing gourd with scarlet fruit and dark green foliage. Per ¼ oz., **30c** ..... Per Pkt .10

5001 **ACANTHUS Latifolius.** Aug. 3 ft. Handsome decorative plant, broad deeply cut foliage; beautiful for solitary plants in lawn or for grouping with other plants. Per oz. **15c** ..... .10

5002 **Mollis.** Flower spikes 5 ft. high of white and pink flowers. Per oz., **25c.** *Plants, each* **15c;** *doz.*, **$1.50** ..... .10

ACHILLEA. (Yarrow, Milfoil)

Free flowering plants of easy culture for the mixed border; most of the varieties are very suitable for cutting.

5003 **Ageratum.** June-Aug. A yellow flowered, sweet scented perennial which grows rapidly and blooms the first year from seed. Per ¼ oz., **25c** ..... .15

Filipendula, Parker's Variety. June-Aug. 1½ ft. Flat heads of pale yellow flowers. *Plants, each* **15c;** *doz.*, **$1.50** ....

Millefolia Rosea. 2 ft. June-July. Large umbels of bright rose colored flowers. *Plants, each* **15c;** *doz.*, **$1.50** ....

Ptarmica fl. pl. Boule de Neige. 2 ft., June to Aug. Large, double, pure white flowers. *Plants, each* **15c;** *doz.*, **$1.50** ....

Perry's White. 2 ft., June to Aug. Flowers fully double and pure white, very free and continuous. *Plants, each* **25c;** *doz.*, **$2.50** ....

5004 **The Pearl.** 2 ft. June to Aug. Pure white, fine for cutting. *Plants, each* **15c;** *doz.* **$1.50;** 100, **$10.00** ..... .10

ACONITUM (Monkshood).

Handsome herbaceous plants, with bold spikes of hood-shaped flowers, valuable for cutting;, very effective in flower borders and shrubberies thriving anywhere, either in shady or sunny aspect. Summer and autumn flowering. Care should be taken that the Aconitums are not planted in or near the kitchen garden, where their tuberous roots, which are poisonous, might accidentally be used for food.

Fischeri. 2 ft. Sept. Large porcelain blue flowers. *Plants, each* **25c** ..... Per Pkt. ..

5005 **Napellus.** 2½ ft. Aug. Fine rich blue flowers. *Plants, each* **25c.** ¼ oz., **25c** ... .05

Bicolor. 5 ft. Aug. Blue and white, fine for cutting. *Plants, each* **25c** ....

Spark's Variety. 5 ft. Aug. Violet blue, on branching spikes. *Plants, each* **25c.** ..

5006 **Wilsoni.** Deep blue flowers, on large trusses. *Plants, each* **25c** ..... .10

5007 **ADENOPHORA Potaninii.** 18 in. Light blue bell-shaped flowers produced on slender spikes in July and August. Per ⅛ oz., **25c** ..... .10

5009 **ADLUMIA Cirrhosa (Allegheny Vine).** 15 ft. The feathery foliage is like the Maidenhair Fern. Delicate rose pink and white flowers cover the plant. .10

5010 **ADONIS Vernalis.** 18 in. May. Large star shaped yellow flowers. ½ oz. **15c** ..... .05

Amurensis fl. pl. 1 ft. *Plants, each* **35c;** 3 for **$1.00** ....

5010a **AGATHEA Coelestis (Blue Daisy).** ⅛ oz., **25c** ..... .10

AGROSTEMMA.

5011 **Coronaria Varieties Mixed.** June-Sept. Mullein Pink, 1 to 2 ft. ½ oz. **15c** ..... .05

5012 **Flos Jovis.** 1 ft. Beautiful pink flowers. ½ oz. **15c** ..... .05

AJUGA (Bugleweed.)

Reptans Atropurpurea. 6 in., May. A very useful dwarf plant, with brilliant blue flowers. *Plants, each* **15c;** *doz.*, **$1.50** ....

ALYSSUM (Madwort).

5013 **Saxatile Compactum (Basket of Gold).** 1 ft. May-June. Greatly prized for its masses of brilliant golden yellow flowers. *Plants, each* **15c;** *doz.*, **$1.50** ..... .05

5015 **AMPELOPSIS Veitchii (Boston Ivy).** Small leaved, self-clinging, Virginia Creeper. ½ oz. **15c.** (See also climbing vines) ..... .05

AMSONIA Salicifolia. 2 ft. A very pretty blue flower for semi-shade. *Plants, each* **15c;** *doz.*, **$1.50** ....

ANCHUSA ITALICA

ANEMONE JAPONICA

5016 **ANCHUSA Italica, Dropmore Variety.** 5 ft. June-July. An improvement on the old variety, larger blue flowers, and plant of better habit. *Plants, each* **25c;** *doz.*, **$2.50.** ⅛ oz., **40c.** ..... Per Pkt. .25

Myosotidiflora. May-June. 1 ft. Producing in spring and early summer, panicles of blue forget-me-not-like flowers. *Plants, each* **35c.;** *doz.*, **$3.50** ....

5018 **Opal.** June-July. (New.) 3-4 ft. Large pale blue flowers. Fine color and lasting. *Plants, each* **25c;** *doz.*, **$2.50** ..... .25

ANEMONE (Wind Flower).

Very pleasing hardy plants for the herbaceous border. Fine large flowers, few plants compare with them in beauty. Excellent for bouquets and table decorations.

Canadensis. 1 ft. June. Masses of starry white blossoms. *Plants, each* **15c;** *doz.*, **$1.50** ....

5019 **Coronaria (Poppy Anemone) Mixed Colors.** June. 10 in. ¼ oz. **20c** ..... .05

5020 **St. Brigid's Strain.** May-June. Double and Single mixed. 12 in. A beautiful selection of the Coronaria varieties in a wonderful array of colors. ⅛ oz., **40c** .15

5021 **Pulsatilla.** 10 in. Blooms in May. Flowers violet or purple. ⅛ oz., **40c** ..... .10

5022 **Sylvestris (Snow Anemone).** 1½ ft. May to June. One of the most satisfactory for the border; flowers large, cup-shaped, pure white. ⅛ oz., **40c.** *Plants, each* **15c;** *doz.*, **$1.50** ..... .10

Sylvestris fl. pl. Double pure white flowers. *Plants, each* **25c** ....

Japonica Varieties (Japanese Anemones.)

These rank amongst the showiest and most useful of late **summer and autumn flowering** hardy border plants. For cutting all are of inestimable value, as they flower at a season when hardy flowers are in demand and getting scarce.

Alice. 3 ft. New. Large clear rose flowers. *Plants, each* **25c** ..... } *doz.*, ...

Geante des Blanches. 2 ft. Fine pure white. *Plants, each* **25c** ... } **$2.50** .... ..

When Ordering—If SEEDS use numbers; if PLANTS give names.

Perennial Flower Seeds and Plants

ANTHEMIS TINCTORIA

ANEMONE Japonica—Continued. Per Pkt.

Honorine Joubert. Pure white. 2 ft. *Plants, each* 15c; *doz.*, $1.50. Per 100, $10.00 ..

Kriemhilde. Beautiful rose-carmine. 2 ft. *Plants, each* 25c.; *doz.*, $2.50 ..

Prince Henry. Deep red. Very beautiful. 2 ft. *Plants, cach* 15c ..

Queen Charlotte. Double, delicate pink. 2½ ft. *Plants, each* 15c ..

Rosea Superba. Rose pink. 2 ft. *Plants, cach* 15c.; *doz.*, $1.50 ..

Whirlwind. Double white. 3 ft. *Plants, cach* 15c.; *doz.*, $1.50 ..

Note.—Although Japanese Anemones do well in shade they are better planted in a sunny exposure in the latitude of Chicago, on account of the early frosts we frequently have.

5025 **ANTHEMIS Kelwayi. (Hardy Marguerite).** 2 ft. A most satisfactory plant, bearing all summer, daisy-like yellow blossoms, excellent for cutting. *Plants, each* 15c; *doz.*, $1.50. ¼ oz., 25c .10

5026 **Tinctoria.** Paler than the above. *Plants, each* 15c; *doz.*, $1.50. ⅛ oz., 25c .10

AQUILEGIA (Columbine).

Columbines are among the most beautiful hardy perennials producing graceful spurred flowers on stems 2 feet or more above the beautiful dark green divided foliage. They thrive in almost any situation, and adapt themselves most readily to naturalization. Our Long-Spurred Mixed are selected from the very finest kinds, their colors vary considerably, but all are choice, free in habit and of great value for massing, and with their long stems are splendid for cutting. **All plants per 100, $10.00.**

5027 **Canadensis (Turk's Cap)** Handsome scarlet and orange flowers. *Plants, each* 15c; *doz.*, $1.50. ⅛ oz., 25c .10

5028 **Chrysantha** 3 ft. Bright yellow, long spurred. *Plants, cach* 15c; *doz.*, $1.50 .10

5029 **Chrysantha Fl. Pl.** 3 ft. Double golden yellow flowers. *Plants, each* 15c; *doz.*, $1.50. ⅛ oz., 50c .15

5030 **Grandiflora Alba.** 3 ft. Large flowering, pure white, long spurs. *Plants, each* 15c; *doz.*, $1.50. ⅛ oz., 40c .10

AQUILEGIA (Columbine)

Per Pkt.

5031 **Coerulea (Rocky Mountain Columbine).** 3 ft. One of the most beautiful of our native American flowers. Sepals, deep blue; petals, white. *Plants, cach* 15c; *doz.*, $1.50. ⅛ oz. 25c .10

5032 **Hybrida, (Haylodgensis).** 2½ ft. Long spurred hybrids. *Plants, each* 15c; *doz.*, $1.50. ⅛ oz. 30c .10

5033 **Rosea (Rose Queen).** 2½ ft. Beautiful flowers of light to dark rose with white center and yellow anthers, a most delicate combination of colors. *Plants, each* 15c; *doz.*, $1.50 .15

5034 **Candidissima.** Pure white .10

5035 **Helenae.** 2 ft. Large flowers of rich deep blue, with a white corolla .10

5036 **Long Spurred Columbines.** A new and improved strain of Columbines, bearing flowers of many rich and varied colors with broad petals and long spurs. Colors are distinct shades of white, salmon, lavender, yellow, mauve, pink, etc. Extra fine. *Plants, each* 15; *doz.*, $1.50. ⅛ oz.. 40c .15

5037 **Nivea Grandiflora.** 15 in. Large pure white. *Plants, each* 15c; *doz.*, $1.50 .05

5038 **Scarlet and Pink Shades.** Very showy and beautiful .25

5039 **Skinneri (Mexican Columbine).** Large scarlet and yellow flowers .10

5040 **Truncata.** Orange scarlet with yellow .10

5041 **Vervaeneana Atroviolacea Plenissima.** Double violet .10

5042 **Vulgaris Alba Plena.** 2 ft. Double white flowers. *Plants, each* 15c; *doz.*, $1.50 .05

5043 **Single Mixed.** Many varieties, ¼ oz. 15c .05

5044 **Double Mixed.** ¼ oz. 15c .05

5047 **VAUGHAN'S SPECIAL MIXTURE** includes all the above mentioned varieties and many new colors not found in any named collection. *Plants, each* 25c; *doz.*, $2.50. ⅛ oz., 40c .25

ARABIS (Rock-Cress).

Charming dwarf **spring-flowering** plants of easy cultivation; valuable for beds, rockwork and edgings. Per Pkt.

5048 **Alpina,** 6 in. Pure white. *Plants, each* 15c; *doz.*, $1.50; Per 100, $10.00 .05

5048a **Grandiflora Superba.** ⅛ oz., 60c .25

ARALIA Cordata (Japanese Udo). Valuable winter vegetable. *Plants,* 2 yr. *each,* 35c; 3 yr. *cach* 50c; 4 yr. 60c ..

ARENARIA (Sand-Wort).

Fine subjects for the rock garden. Spring and early summer flowering.

5049 **Caespitosa.** 3 in. Trailing evergreen perennial for rock garden, forming a dense carpet of foliage. Flowers pure white in May .10

5050 **Montana (Mountain Sandwort).** 6 in. A close growing creeping variety, smothered with dainty white blossoms in early summer .10

5051 **ARISTOLOCHIA Sipho (Dutchman's Pipe).** 30 ft. Very large, showy foliage. One of the best climbing plants grown. Flowers of various colors. Requires protection in winter. *Plants,* 2 yr. *each* 35c; 3 yr. *each* 50c. ⅛ oz., 25c .10

ARMERIA (Thrift, Sea Pink or Cliff Rose).

Grand plants for crevices of walls and rocks, and also for growing in flower borders or as permanent edgings; excellent plants for the sea-coast. June-July.

5052 **Formosa.** 9 in. Pretty rose pink. Grand for borders. *Plants, each* 15c; *doz.*, $1.50. Per 100, $10.00. ⅛ oz., 20c .10

5053 **Laucheana.** 6 in. Crimson flowers, deep green tufty foliage. *Plants, each* 15c: *doz.*, $1.50. Per 100, $10.00 .10

5054 **Maritima.** 3 in. Silvery pink flowers. ⅛ oz., 20c .05

ARTEMISIA LACTIFLORA

Perennial Flower Seeds and Plants

ASTER—Michaelmas Daisy

Per Pkt.

5055 **ARTEMISIA Lactiflora.** 5 ft. Sept.-Oct. A great acquisition for the herbaceous border or wild garden, producing elegant spikes of pure white flowers on stout stems; the whole plant has the appearance of a highly ornamental flowering shrub. Graceful for table decoration. *Plants, each* **20c;** *doz.*, **$2.00;** per 100, **$15.00** ... .10

5056 **ASCLEPIAS Tuberosa (Butterfly Weed).** 2 ft. One of the showiest of our native perennials and producing from July until frost, compact umbels of brilliant orange flowers. *Plants, each* **15c;** *doz.*, **$1.50;** per 100, **$10.00** ..... .10

5057 **ASPERULA Odorata (Waldmeister).** 6 in. Grown for its fragrant leaves and stems, which when dried have a sweet odor and are used for putting among clothes, etc.; also used to flavor the May wine. ⅛ oz., **20c** ..... .10

5059 **ASPHODELUS Albus,** June-July, 3 ft. Stately spikes of pure white flowers. .10

5060 **Luteus,** Fragrant yellow flowers; very effective ..... .10

5061 **ASTER Alpinus (Hardy Alpine Aster or Blue Mountain Daisy).** 8 in. June-July. Dwarf species, with large, purple flowers. Fine for rockeries and mixed borders. *Plants, each* **15c.;** *doz.*, **$1.50** ..... .10

5062 **Speciosus.** Rich purple, very large ..... .10

Goliath. (new). Purple, with yellow center, very fine. *Plants, each* **25c.;** *doz.*, **$1.50** ....

5064 **Mixed.** Various shades of blue. Fine. ¼ oz. **40c** ..... .10

ASTER (Michaelmas Daisy.)

Michaelmas Daisies now fill a most important place in all hardy flower gardens, lighting up the borders and shrubberies with their masses and clouds of dainty and brightly colored blossoms throughout the autumn months up to November, when other flowers are scarce. To cut for vases and church decoration, etc., they provide an inexhaustible supply.

Amellus Elegans. 1½ ft., Beautiful light blue. *Plants each* **25c;** *doz.*, **$2.50** ....

Per Pkt

5065 **Bessarabicus** (new). 2 ft. Very deep blue ..... .10

Grandiflorus. 2 ft. Branching habit, with very large deep violet flowers. Last of all to flower. *Plants, each* **35c.;** *doz.*, **$3.50** ....

Mesa Grande Speciosa Gr'flora. 2 ft. July-Aug. Deep blue. *Plants, each* **25c** ..

5066 **Novae Angliae.** 3 ft. Sept.-Oct. Deep purplish blue. *Plants, each* **15c** .... .10

Mrs. J. F. Raynor. (New.) 5 ft. Oct. Vivid crimson flowers, very erect and profuse bloomer. *Plants, each* **35c;** *doz.*, **$3.50** ....

Lil. Fardell. 3 to 4 ft. Large pink flowers. *Plants, each* **25c.;** *doz.*, **$2.50** .. ..

Novae Belgiae, Abenrote. 4 to 5 ft. Light pink, fine. *Plants, each* **15c** .... ..

R. Parker. 3 ft. Sept.-Oct. Large pale gray-blue. *Plants, each* **15c** ....

St. Egwin. 3½ ft. Aug. Medium size, fine clear rose-pink. *Plants, each* **25c** .. ..

W. J. Jones. 4 to 5 ft. Beautiful pale lavender. *Plants, each* **25c** ....

5067 **Ptarmicoides.** 1½ ft. Distinct, pure white flowers ..... .10

Puniceus Lucidulus. 3 ft. Small rose-colored flowers. *Plants, each* **15c** ....

Thompsoni Nana. Compact soft blue sprays; early. *Plants, each* **15c** ....

Thirza. 3 to 4 ft. Pale lilac, branching habit. *Plants, each* **15c** ....

5068 **Townshendi.** 2 ft. Pinkish lilac, fine for cutting ..... .10

5071 **BAPTISIA Australis (False Indigo).** 2 ft. Beautiful racemes of pea-shaped light blue flowers appearing in midsummer. *Plants, each* **15c.** Per ½ oz. **25c** .. .05

BELLIS PERENNIS (Double Daisy).

6 to 8 in. April-June A charming old favorite, for edging beds, borders or rockwork.

5073 **Snowball.** Double pure white. ⅛ oz. **50c** ..... .10

5074 **Longfellow.** Double dark pink ⅛ oz. **50c** ..... .10

5075 **Double Good Mixture.** ⅛ oz. **25c** ..... .05

5076 **Mammoth White.** Larger than Snowball. } *Plants each* **10c.;** *doz.*, **$1;** 100 **$7.00** { ⅛ oz. **50c** .. .10

5078 **Mammoth Pink.** Larger than Longfellow. } { ⅛ oz. **50c** .. .10

5079 **Mammoth Mixed** ..... } { ⅛ oz. **40c** .. .10

BOCCONIA

BOLTONIA ASTEROIDES

Per Pkt.

5080 **Monstrosa White.** Flowers frequently attain the size of Zinnias. The flower stems are long and stiff. 1/16-oz. **75c** ..... .15

5081 **Monstrosa, Pink.** 1/16-oz. **75c** ..... .15

5082 **Turban.** We have been on the lookout for a double red daisy, and in the Turban we believe we have found the long wanted color ..... .25

5083 **BETONICA Grandiflora Superba (Woundwort).** 1 ft. June. A showy dwarf plant for borders, with deep purple tubular flowers. ⅛ oz. **45c** ..... .10

BLEEDING HEART. See Dielytra

5084 **BOCCONIA Cordata (Plume Poppy).** 5 ft. A handsome border plant, having large lobed heart-shaped leaves with silvery under-surface, and flower plumes of a pretty cream color. *Plants, each* **15c.;** *doz.*, **$1.50.** ½ *doz.*, **40c** ..... .10

5085 **BOLTONIA Asteroides (False Chamomile.)** 6 ft. White. Large daisy-like flowers, valuable for cutting. *Plants, each* **15c.;** *doz.*, **$1.50** ..... .10

5086 **Latisquama.** Delicate pink. *Plants, each* **15c.;** *doz.*, **$1.50** ..... .10

BUPHTHALMIUM (Ox Eye).

Useful border plants for cutting. Very easily grown.

5087 **Cordifolium.** 4 ft. July. Large yellow flowers on long stems. ⅛ oz. **25c** ..... .10

5088 **Salicifolium.** 1ft. August. Neat bushy plant, covered with yellow flowers. .10

CAMPANULA (Bell Flower).

Bell-shaped flowers, well known and most easily grown; equally useful for flower border, shrubbery or wild garden.

5090 **Carpatica (Harebell).** 9 in. July. Pretty dwarf blue. *Plants, each...* **15c;** *doz.*, **$1.50.** ⅛ oz., **15c** ..... .05

5091 **Alba.** 9 in. July. Pure white. *Plants, each* **15c;** *doz.*, **$1.50.** ⅛ oz., **15c** ..... .05

5092 **Calycanthema (Cup and Saucer).** 2 ft. June to Aug. **Mixed Colors.** *Plants, each* **15c;** *doz.*, **$1.50.** ⅛ oz. **25c** ..... .05

When Ordering—If SEEDS, use Numbers; if PLANTS, give Names.

Perennial Flower Seeds and Plants

CAMPANULA Calycanthema—Continued — Per Pkt.

5093 **White,** (5094) **Pink,** or (5095) **Blue.** *Each,* **15c;** *doz.,* **$1.50.** ⅛ oz., **40c**.. .05
5096 **Striped**.... .05
5097 **Crystallocalyx.** August. Medium bell shaped blue flowers in fine spikes.. .25
5098 **Glomerata Dahurica.** 1½ ft. June-July. A fine plant, far too little grown. Crowded heads of rich dark purple flowers.... .10
5099 **Grandis.** 2 ft. June. Fine spikes of violet blue.... .10
5100 **Lactiflora Alba.** 3-4 ft. Very large pure white bells. (Plants see page 14) .10
5101 **Coerulea.** Dwarf in habit, rich blue. *Plants, each* **20c;** *doz.,* **$2.00**..... .10
5102 **Latifolia (Macrantha).** 3 ft. Erect stems, large pendulous bells, rich violet blue. *Plants, each* **15c;** *doz.,* **$1.50.** ¼ oz., **25c**.... .10
5103 **Longistyla.** 2 ft. Branching spikes of drooping violet flowers.... .10
Medium (Canterbury Bell). 2 ft. 5104 **Single White.** ⅛ oz., **20c**... .05
5105 **Single Blue.** 5106 **Single Pink.** ⅛ oz., **20**.... .05
5107 **Single Striped.** ⅛ oz., **20c**.... .05
5108 **Single Mixed.** *Plants, each* **15c;** *doz.,* **$1.50;** 100, **$10.00.** ⅛ oz. **10c**... .05
5109 **Double Mixed.** ⅛ oz. **10c**.... .05
5110 **Mirabilis** (Species). Branching spikes of clear mauve flowers. ⅛ oz., **50c**. .10
5111 **Persicifolia (Peach Bells).** 2 ft. Blue. *Plants, each* **15c;** 1/16 oz., **25c**..... .10
5112 **Alba.** White. *Plants, each* **15c;** *doz.,* **$1.50.** 1/16 oz., **25c**..... .10
5112a **Moerheimi.** Large open white semi-double flowers. *Plants, each* **25c**.. .25
5113 **Pyramidalis (Chimney bell flower).** 5-6 ft. Blue. *Plants, each* **20c;** *doz.* **$2.00.** ⅛ oz., **20c**.... .10
5114 **Pyramidalis Alba.** White. *Plants, each* **20c;** *doz.,* **$2.00.** ⅛ oz., **25c**..... .10

CAMPANULA (Canterbury Bell)

Per Pkt.
5115 **Trachelium (Nettle-leaved Campanula).** 2 ft. Blue. *Each* **15c;** *doz.,* **$1.50**.... .10
5116 **VAUGHAN'S SPECIAL MIXTURE.** A grand assortment of all varieties. Fine for cut flowers.... .25

CANDYTUFT — See Iberis. CANTERBURY BELL — See Campanula Medium

CARNATION (Hardy). Old fashioned flowers, valuable for border decoration and cutting.
5120 **Grenadin.** Fine scarlet. ⅛ oz., **50c**.... .10
5121 **Grenadin,** White. ⅛ oz., **50c**.... .10
5122 **Vienna Dwarf Mixed.** ⅛ oz., **35c**.... .10
5124 **Double Mixed, Extra Choice**.... .10
5125 **CASSIA Marylandica (American Senna).** 2½ ft. A hardy plant of shrubby growth with panicles of yellow pea-shaped blossoms. *Plants, each* **15c;** *doz.,* **$1.50.** ¼ oz., **15c**.... .10
5126 **CATANANCHE Coerulea.** 3 ft. June-Sept. Fine blue flower. ⅛ oz., **20c**... .10
5127 **Bicolor.** Blue and white. ⅛ oz., **20c**.... .10

CENTAUREA (Hardheads, Knapweed.) July-August. Good plants for the flower border or wild garden, with thistle-like flowers.
5130 **Macrocephala (Great Knapweed).** 4 ft. Large heads of golden yellow flowers, useful for cutting.... .10
5132 **Montana Alba.** 2 ft. White, very showy. *Plants, each* **15c.** ⅛ oz., **50c**.... .10
5133 **Blue.** ⅛ oz., **30c.** *Plants, each* **15c**.... .10
5134 **Pulcherrima.** 3 ft. Rosy pink flowers in great abundance.... .15
5135 **Ruthenica.** 4 ft. Elegant straw-colored flowers. *Plants, each* **15c.** ⅛ oz., **25c**.. .10

COREOPSIS. (See next page.)

Per Pkt.
5136 **CEPHALARIA Alpina.** 3-4 ft. Pretty yellow flowers for herbaceous border .10
5137 **CERASTIUM Tomentosum (Snow in Summer).** 4 in. Silvery white foliage, covered with snow white flowers in early summer. *Plants, each* **15c;** *doz.,* **$1.50.** .10
5138 **CHELONE Barbata Torreyi.** 3 ft. July, Aug. Long coral red spikes. *Plants, each* **15c;** *doz.,* **$1.50.** ⅛ oz., **20c**.... .10
5139 **Hybrida Mixed.** ⅛ oz., **25c**.... .10
5140 **Lyoni.** 2 ft. Freely covered with rosy purple flowers.... .10
5141 **CHEIRANTHUS Allioni.** 1 ft. Fine rock or border plant with brilliant orange flowers.... .10
5143 **CHIVES.** Used for seasoning. *Plants, each* **10c:** *doz.,* **$1.00.** ½ oz. **30c**.... .10
5145 **CHRYSANTHEMUM Maximum (Moonpenny Daisy).** 2-3 ft. Hardy white daisy, excellent for cutting. *Plants, each* **15c;** *doz.,* **$1.50.** ¼ oz. **15c**..... .05
Arcticum. June-Sept. Large white flowers. *Plants, each* **15c;** *doz.,* **$1.50**.... ..
5146 **King Edward VII.** 2½ ft. Very large white flowers on stout stems. ¼ oz., **40c** .15
5147 **Market Favorite.** Produces an enormous number of well formed, pure white flowers, evenly distributed and flowering at one time.... .15
5148 **Mrs. C. Lothian Bell.** The largest of the maximum hybrids. ⅛ oz., **40c**.. .15
5149 **Single Early Flowering Hybrids.** Blooms from seed the first year if sown early .10

CIMICIFUGA (Snake Root). Aug.-Oct.
Valuable plants for the border by reason of their late flowering, beginning in September and continuing in flower throughout October.
Americana. 4 ft. Long spikes of white flowers. *Plants, each* **25c;** *doz.,* **$2.50**... ..
Dahurica. 4 ft. Feathery spikes, much branched, elegant and distinct. *Plants, each* **35c;** *doz.,* **$3.50**.... ..
Simplex. 3 ft. A grand, but little known autumn flowering plant. Its white flower spikes measure from 1½ to 2 ft. long, lasting until the end of October Graceful fernlike foliage. *Plants, each* **50c;** 3 for **$1.40**.... ..

CIMICIFUGA

6 Plants supplied at dozen rate. Write for Special price per 100 where not mentioned.

Perennial Flower Seeds and Plants

DAISY—Shasta

CLEMATIS (Herbaceous). Summer flowering.

Davidiana. Aug.-Sept. Tubular bell-shaped flowers of deep lavender blue. *Plants, each* **25c**; *doz.*, **$2.50** .. Per Pkt ..

Recta. 4 ft. Erect growing, forming quite a cloud of white flowers. *Plants, each* **25c**; *doz.*, **$2.50** .. ..

Recta fl., plena. 4ft. Dense corymbs of creamy double flowers. *Plants, each* **50c**.. ..

5150 **Paniculata** (Climbing.) 15 ft. Fall-flowering vine with white flowers. ¼ oz., **40c** .10

5151 **Large Flowering Mixed.** Blue, white and purple. ¼ oz., **75c**..... .15

(For other Clematis, see Climbing Vines.)

5153 **COREOPSIS (Tickseed).** June to October.

Lanceolata. 2 ft. Large orange-yellow flowers, much prized for cutting, *Plants, each* **15c**; *doz.*, **$1.50.** ¼ oz. **20c** .. .10

5154 **Grandiflora Eldorado.** Large flowers, brilliant orange yellow. ¼ oz. **40c**.... .10

Rosea. 12 in. Beautiful pale rose. *Plants, each* **15c**; *doz.*, **$1.50**..... ..

5156 **CRUCIANELLA Stylosa Coccinea.** 6 in. Dwarf rampant carpeting plant, grows anywhere. Flowers bright crimson. ⅛ oz. **15c**..... .10

DAISY (English). See Bellis.

5157 **DAISY, Shasta.** (Ox-eye Daisy.) 2 ft. Gives a wonderful show of large white flowers. Fine for cutting. *Plants, each* **15c**; *doz.*, **$1.50.** ⅛ oz. **40c**..a.. .10

DELPHINIUM (Hardy Larkspur)

Few plants are so handsome in the garden as these perennial Larkspurs. There are many species in cultivation but the most important are the tall hybrids of which we hold a large and up-to-date assortment including the very newest.

(Species). Flowering from June to August. Per Pkt.

5159 **Cashmerianum.** 15 in. Dwarf habit, rounded terminal spikes of dark blue, hooded flowers. ⅛ oz. **75c**..... .10

5160 **Caucasicum.** 18 in. Magnificent sky blue. ⅛ oz. **20c**..... .10

5161 **Chinense (Chinese).** 2 ft. Pure blue in branching dwarf spikes,. *Plants, each* **15c**; *doz.*, **$1.50.** ⅛ oz. **15c**..... .05

5162 **Album** 2 ft. pure white. *Plants, each* **15c**, *doz.*, **$1.50.** ⅛ oz. **15c**..... .05

Cineraria, (New). 18 in. True rich blue with very open spike. *Plants, each* **20c**... ..

5163 **Elatum Hybridum, Single Mixed.** 3 ft. ½ oz. **30c**..... .05

5164 **Double Mixed.** 3 ft. ¼ oz. **75c**..... 15

5165 **Formosum.** 3 ft. Deep blue, white eye, open spike. *Plants, each* **15c**; *doz.*, **$1.50.** ¼ oz. **25c**..... .10

5166 **Coelestinum,** Charming pale blue. *Plants, each* **15c**; *doz.*, **$1.50.** ¼ oz. **50c**.... .10

5168 **Giganteum,** Deep blue, large flowers, fine..... .25

5169 **Nudicaule.** 1 ft. Dwarf brilliant scarlet flowers..... .20

5170 **Sibiricum Hybridum.** 1½ ft. Fine blue shades. ⅛ oz. **25c**..... .10

5171 **Zalil.** 3 ft. Clear sulphur yellow flowers, light graceful habit..... .25

(Named Hybrids). Flowering from June to August.

Amos Perry. 4 ft. Bright blue, center mauve. *Plants, each* **60c.** 3 for **$1.70**.. ..

Belladonna 2 ft. Loose spikes of clear azure blue. *Plants, each* **25c**; *doz.*, **$2.50**.. ..

Belladonna Semi-plena. 2 ft. (New.) Clear bright blue, dwarf branching habit, splendid for cutting. *Plants, each* **50c**; 3 for **$1.40**..... ..

5172 **Belladonna Hybrids, Mixed, all colors,** from pale to deep blue..... .25

Capri (New). 5 ft. Single sky-blue flowers, borne on stems 5 ft. long, with numerous side sprays over 2½ ft. in length. *Plants, each* **50c.** 3 for **$1.40**.... ..

Carmen (New). 5 to 6 ft. Flowers gentian blue nearly 2 inches across, with rosy purple center and dark eye. Immense spikes. *Each* **$1.00**..... ..

DELPHINIUM—Gold Medal Hybrids

DIANTHUS (Hardy Pink)

Corry. (New.) 5 ft. Large circular flowers of bright blue with white eye. Flowers are full and very double. Large spikes. *Plants, each* **$1.00**..... Per Pkt ..

5173 **Indigo.** (New.) 4 ft. Pure indigo blue, comes true from seed..... .25

J. S. Brunton. 3-4 ft. Beautiful sky blue, very full spike. *Each* **35c**..... ..

Julia. 5 ft. Clear rich gentian blue with white central florets, fine spike. *Each* **50c** ..

Lamartine. (New.) 4 ft. Single dark blue flowers with white center; free branching habit. *Plants, each* **50c.** 3 for **$1.40**..... ..

Lize. 5 ft. Producing tall well-branched spikes of beautiful sky blue flowers, white eye. *Plants, each* **50c.** 3 for **$1.40**..... ..

Mme. Baizer. (New). Semi-double flowers of beautiful azure blue. *Each* **50c** ..

Miranda. (New). Grand spikes of rich gentian blue. Crimson purple center, white eye. *Plants, each* **50c.** 3 for **$1.40**..... ..

Moerheimi. (New.) The purest and best white Delphinium. A continuous bloomer valuable for cutting. *Plants, each* **50c**; 3 for **$1.40**..... ..

Mrs. Thompson. Clear distinct gentian blue flowers on erect spikes. *Each* **35c**.. ..

Persimmon. An improved "Belladonna." Color. better and brighter. Vigorous branching habit. *Plants, each* **50c**; 3 for **$1.40**..... ..

Picador. 3-4 ft. Single. Blue changing to rosy lilac, light eye tipped lilac. A great favorite. *Plants, each* **50c**; 3 for **$1.40**..... ..

Rembrandt. 5-6 ft. Single. Large indigo blue changing to rose, prominent white eye. Loose flowers on massive spikes. *Plants, each* **50c**; 3 for **$1.40**.... ..

Theodora. (New). 4 ft. Beautiful shade of cornflower blue, large spikes. *Each*, **50c** ..

Ustane. Soft rosy lilac, black eye. *Plants, each* **50c**; 3 for **$1.40**..... ..

Zuster Lugten. (New.) 4 ft. Rich deep blue, large spikes. *Plants, each* **50c**.. ..

5176 **VAUGHAN'S GOLD MEDAL HYBRIDS. Reproduced in color on Back Cover.** This strain is especially grown for us, the seed being saved from selected plants. All inferior colors and types are discarded. Many of them are double flowered, and range in color from pale lavender to deep violet and indigo-blue. *Plants, each* **25c**; *doz.*, **$2.50.** ⅛ oz. **50c**..... .25

When Ordering—If SEEDS use Numbers; if PLANTS give Names.

Perennial Flower Seeds and Plants

DELPHINIUM (Larkspur)—Continued

Per Pkt.

5177 VAUGHAN'S SPECIAL MIXTURE. Contains a splendid assortment of both rich and delicate shades, the seed being saved from specially selected plants. Many new colors figure in this mixture..... .25
Plants, each **15c**; *doz.*, **$1.50.**

DIANTHUS (Hardy Garden Pinks).
Charming summer flowering border plants, more or less fragrant; should be planted in full sun or open situation, adding lime or old mortar rubble to the soil at time of planting.

Plumarius Countess Knut. 15 in. New. Bright apricot. *Plants, each* **15c**... ..
5178 **Cyclops (Clove Pink).** An exquisite mixture of colors. *Plants, each* **15c**... ..
doz., **$1.50**; ⅛ oz., **20c**..... .10
5180 **Deltoides.** 9 in. Masses of small deep rose flowers, neat creeping habit..... .10
5181 **Diadematus.** 12 in. White, pink and crimson flowers in great masses.
Plants, each **15c**; *doz.*, **$1.50**..... .10
Diamond. 12 in. White, very early. *Plants, each* **15c**, *doz.*, **$1.50**..... ..
Her Majesty. 12 in. Pure white, fine. *Plants, each* **15c**; *doz.*, **$1.50**..... ..
Latifolius Atro-coccineus Plenus. 15 in. Double fiery crimson. *Plants, each* **15c**; *doz.*, **$1.50**..... ..
Multiflorus Napoleon III. 12 in. Double blood-crimson flowers, often flowers itself to death. The best of all hardy pinks. *Plants, each* **20c**; *doz.*, **$2.00**.... ..
5183 **Neglectus (Glacier Pink.)** 4 in. Firm cushions of brilliant rose flowers..... .10
New Double Pink. 15 in. Very early, fine pink. *Plants, each* **20c**; *doz.*, **$2.00**...
5184 **Perfection.** 15 in. White, crimson center. *Plants, each* **15c**; *doz.*, **$1.50**..... .10
Queen Louise. Fine double white. *Plants, each* **15c**; *doz.*, **$1.50**.....
5186 **Nanus Fl., Pl.** Early, clove pink, double, produced in great profusion. ⅛ oz., **50c** .15
5187 **Albus Plenus.** 12 in. Fine double white. ⅛ oz., **60c**..... .15

DICTAMNUS FRAXINELLA (Gas Plant)

5188 **Semperflorens.** 15 in. Single and Double, flowers all spring and summer. Mixed colors. ¼ oz., **60c**..... .10

DIGITALIS (Foxglove)

Per Pkt.

5189 **Single Mixed.** Delicately fringed flowers. *Plants, each* **15c**. ¼ oz., **10c**.. .05
5190 **Double Mixed.** Fine for cutting. ¼ oz. **50c**..... .10
5191 VAUGHAN'S SPECIAL MIXTURE. A grand selection of clove pinks. *Plants, each* **20c**; *doz.*, **$2.00**..... .15

DIANTHUS BARBATUS (Sweet William). 18 in. to 24 in.
The varities offered are an improvement on the old-fashioned kinds, inasmuch as the colors and size of flower are far superior, being grown from select seed. Sweet Williams look well in solid beds or masses and require a good, rich, well manured soil to grow them to perfection, excellent border plants and fine cut flowers.

Single Varieties:

5192 **Carmine Beauty.** A charming and distinct color, midway between Pink Beauty and Scarlet Beauty. ⅛ oz., **75c**..... .15
5193 **Copper Red.** A new and rich color. Attractive for cut flowers..... .15
5194 **Diadematus.** One of the prettiest, flowers rose, spotted and sprinkled with white. *Plants, each* **15c**; *doz.*, **$1.50**..... .10
5195 **Johnson's Giants.** The range of color includes shades which are not to be found in other strains, and the peculiar and delicate markings on the flowers are most attractive. ⅛ oz., **25c**..... .15
5196 **Nigrescens.** Flowers almost black. *Plants, each* **15c**; *doz.*, **$1.50**. ¼ oz., **25c** ... .10
5197 **Salmon.** A very pleasing shade. *Plants, each* **15c**; *doz.*, **$1.50**; ⅛ oz., **25c**.... .10
5198 **Sutton's Scarlet.** A vivid scarlet color; very striking. *Plants, each* **15c**; *doz.*, **$1.50**. ⅛-oz., **30c**..... .15
5199 **Albus.** Single white. *Plants, each* **15c**; *doz.*, **$1.50**. ¼ oz., **15c**..... .05
5200 **Atrosanguineus.** Single blood-red. ¼ oz., **20c**..... .05
5201 **Roseus (Pink Beauty).** Single pink. *Plants, each* **15c**; *doz.*, **$1.50**; ¼ oz., **20c**... .05
5202 **Single Mixed.** ¼ oz. **15c**..... .05

Per Pkt.

5203 **Single Giant-Flowered Mixed.** *Plants, each* **15c**; *doz.*, **$1.50**. ¼ oz., **25c** ... .10
5204 VAUGHAN'S SPECIAL MIXTURE. A mixture of all the beautiful varieties here listed and others. This is sure to please in the varied and unique coloring and markings of the flowers. If you plant but one perennial, plant this. *Plants, each* **15c**; *doz.*; **$1.50**. ⅛ oz., **35c**..... .25

Double Varieties: Per Pkt

5205 **White.** ¼ oz., **25 c**..... .05 | 5206 **Rose.** ¼ oz., **40c**..... .05
5207 **Blood Red.** ¼ oz., **35c**..... .05 | 5208 **Mixed.** ¼ oz. **20c**..... .05
5209 **Double Giant-Flowered Mixed.** ¼ oz., **50c**..... .10

DICTAMNUS (Gas Plant).
5210 **Caucasicus.** 3 ft. Flowers pink, a strong growing variety. *Plants, each* **25c**. .15
5211 **Fraxinella.** 3 ft. An old and beautiful plant with ash-like foliage and large spikes of deep pink, purple veined flowers, excellent for cutting.
Plants, each **15c**; *doz.*, **$1.50**. ½ oz., **25c**..... .05
5212 **Albus.** 3 ft. Spikes of attractive pure white sweet scented flowers.
Plants, each **15c**; *doz.*, **$1.50**. ½ oz., **25c**..... .05

DIELYTRA Spectabilis (Bleeding Heart). 2 ft. A graceful plant with green fine cut foliage, and pendulous sprays of pink heart shaped flowers, pink tipped white. *Plants, each* **15c**; *doz.*, **$1.50**; 100, **$12.00**..... ...

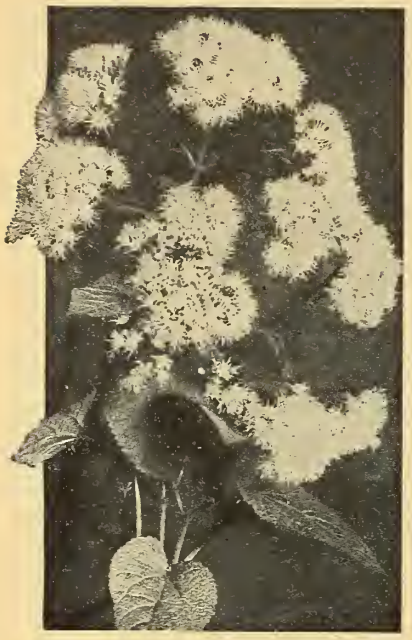
DIGITALIS (Foxglove).
3 to 5 ft. Stately old garden favorites for garden and shrubbery borders, and naturalizing in suitable places.

Gloxiniaeflora. Flowers shaped and spotted like a gloxinia.
5213 **White.** ¼ oz., **25c**.....Pkt. .10 | 5214 **Pink.** ¼ oz., **25c**..... .10
5215 **Purple.** ¼ oz., **25c**.....Pkt. .10 |
Plants, any of above (except red), *each* **15c**; *doz.*, **$1.50**
5217 **Mixed Colors.** *Plants, each* **15c**; *doz.*, **$1.50**. ⅛ oz. **15c**..... .05

DIELYTRA (Bleeding Heart)

When ordering—If SEEDS, use numbers; if PLANTS, give names.

Perennial Flower Seeds and Plants



EUPATORIUM AGERATOIDES

DIGITALIS (Foxglove)—Continued — Per Pkt

5218 **Grandiflora.** Bright yellow, distinct. ⅛ oz., **15c.** *Plants, each* **15c**..... .05
5219 **Lanata.** 3 ft. Creamy white. *Plants, each* **15c**; *doz.*, **$1.50**..... .10
5220 **Maculata Iveryana.** Splendid spotted strain, mixed colors. ¼ oz., **20c**..... .05
5221 **Monstrosa Mixed.** Long spikes surmounted by one enormous flower..... .10
5222 **Purpurea Mixed.** Many colors. ¼ oz., **15c**..... .05
5222a **VAUGHAN'S SPECIAL MIXTURE.** A grand mixture of the above, and many other colors, grown especially for this mixture only. ⅛ oz., **25c** .15

VAUGHAN'S SPECIAL

5223 **DODECATHEON Meadia. (American Cowslip Shooting Star.)** 9 ins. Native hardy perennial, producing quantities of Cyclamen-like, rose colored flowers..... .10

ECHINACEA (Coneflower.) 4 ft.

5224 **Hybrida.** Flowers of various shapes, produced in a wide range of colors..... .15
5225 **Purpurea.** A very handsome border plant bearing large heads of rosy purple flowers, and dark central disc. (Synonymous with Rudbeckia Purpurea) *Plants, each* **15c**; *doz.*, **$1.50.** ¼ oz., **60c**..... .10

ECHINOPS (Globe Thistle.)
Handsome strong-growing, plants with thistle like leaves and globe shaped bristley flowers.

5226 **Ritro.** 3 ft. Fine blue flower heads. ¼ oz., **25c**..... .10
5227 **Sphaerocephalus.** 4 ft. Grayish white flowers on stout stems. ¼ oz., **25c**... .10

5228 **EDELWEISS (Leontopodium Alpinum).** 8 in. The true and famous Edelweiss of the Alps. The flowers are of downy texture, pure silver white and star-shaped. Succeeds in almost any soil with full exposure to sun. $\frac{1}{16}$ oz., **40c**.. .10

EREMURUS.
May-June. A noble group of plants, and quite hardy. When established they throw up magnificent flower spikes from 6 to10 ft. high, each carrying some hundreds of flowers, arranged symmetrically around the stem; they should not be disturbed, but planted for permanent effect.

Himalaicus. 6 ft. Snow white flowers in dense spikes. } *Plants, each*.....**75c**
Robustus. 8-10 ft. Tapering spikes of peach pink flowers. } 3 for **$2.15**; *doz.*...**$7.50**

EREMURUS

ERIANTHUS.—See Grasses.

ERIGERON. — Per Pkt.
Valuable summer flowering border plants with elegant aster-like flowers.

5230 **Aurantiacus (Orange Daisy).** 1 ft. Rich orange-red flowers..... .10
5231 **Grandiflorus Elatior.** 18 in. Bluish-lilac flowers, with bright yellow discs..... .10

ERYNGIUM. (Sea Holly).
July-Sept. Handsome ornamental plants for flower and shrubbery borders.

5232 **Alpinum.** 3 ft. Shining bright green leaves, large light blue flowers. ¼ oz., **75c** .10
5233 **Amethystinum.** 3 ft. Fine foliage with bluish green shoots, terminating in numerous amethyst blue thistle-like flowers. *Plants, each* **15c.** ¼ oz., **75c**... .10
Oliverianum. 3 ft. Stems and flower bracts glistening amethyst blue *Plants, each* **25c**; *doz.*, **$2.50**.....
5234 **Planum.** 3 ft. Small light blue globular flowers; graceful decorative plant. *Plants, each* **15c**; *doz.*, **$1.50**..... .10
5235 **ERYSIMUM Pulchellum.** 6 ins. May-June. Forms large mats of bright green foliage, covered with bright yellow flowers; useful border plant..... .10

EULALIA.—See Grasses.

EUPATORIUM (Thorough Wort)
5236 **Ageratoides.** 2 ft. Pure white ageratum-like flowers. *Plants, each* **15c**; *doz.*, **$1.50.** ½ oz., **40c**..... .10
Coelestinum (Mill Flower). 2 ft. Sept. Heliotrope flowers, very useful for borders. *Plants, each* **15c**; *doz.*, **$1.50**..
5238 **Fraseri.** 18 in. Pure white. *Plants, each* **15c**; *doz.*, **$1.50**; ⅛ oz., **20c**..... .10

HARDY FERNS

FERNS.
Hardy Ferns are especially suited to partial and dense shade and will flourish where grass will not grow. For naturalizing a woodlawn they are fine subjects associated with Foxgloves, Funkias and Aquilegias. They make a grand effect in shady spots in any garden. Their culture is easy. If possible, add leaf mold or well decayed peat, loam and a fair proportion of sand and drainage. — Per Pkt

Adiantum Pedatum (Maidenhair Fern). 1 ft. The best dwarf fern
Asplenium Angustifolium (Spleenwort). 3 ft. Handsome stately fern
Asplenium Felix-Foemina (Lady Fern). 2-3 ft. Fine delicate fronds, very hardy, will grow in the sun if soil is kept moist
Aspidium Acrostichoides (Christmas Fern). 1 ft. Deep green fonds.
Aspidium Cristatum. 2 ft. Grows well in swampy situation
Aspidium Goldianum. 4 ft. One of the finest Aspidiums
Aspidium Marginale. 2 ft. Very wide graceful fronds
Aspidium Spinulosum (Wood Fern). 1½ ft. A very pretty evergreen species, with finely bisected fronds
Aspidium Thelypteris. 2 ft. Very variable, fronds, long and narrow
Onoclea Sensibilis (Sensitive Fern). 1-2 ft. Wet places, open or shade
Onoclea Struthiopteris (Ostrich Fern). 3-4 ft. One of the most stately and best for cultivation; handsome dark green fronds
Osmunda Claytoniana. 2 ft. A good fern for the shady corner, 7 to 12 inches wide, broader than long

5239 **Hardy Ferns Mixed**..... .10

Plants, any of the above, each **20c**; doz., **$2.00**; 100, **$15.00.** (Ready March 15)

Varieties with no marginal number are offered in plants only

Perennial Flower Seeds and Plants

FORGET-ME-NOT.—See Myosotis.

FUNKIA (Day Lily).

These handsome hardy herbaceous plants develop their ornamental foliage early in spring, and in summer and autumn throw up a profusion of Lily-like flower spikes. All are grand plants for the flower border or permanent edgings, especially on shady borders. They develop their foliage to greater size, if grown in partial shade.

Per Pkt.

Fortunei. 12 in. Aug. Glaucous blue foliage, flowers pale mauve. *Plants, ea.* **25c** ..

Lanceolata. 12 in. Sept. Pale lilac flowers. *Plants, each* **15c**; *doz.*, **$1.50**.... ..

Subcordata Grandiflora Alba (Corfu Lily). 18 in. Large spikes of snow white fragrant flowers. *Plants, each* **15c**; *doz.*, **$1.50**..... ..

Thomas Hogg. 12 in. With large foliage margined white. *Plants, each* **25c**.... ..

Undulata Medio Variegata. 12 in. Silvery white, lined green. A very ornamental foliage plant. *Plants, each* **15**; *doz.*, **$1.50**..... ..

GAILLARDIA (Blanket Flower).

June to October, 2 ft. Their long-flowering period, long stems and bright colors make these one of the most valuable of perennials, being easily grown in beds or borders in ordinary garden soil.

5240 **Grandiflora Mixed.** *Plants, each* **15c**; *doz.*, **$1.50**. ¼ oz,. **30c**..... .10

5241 **Copper Red.** Yellow, with large red center.....10

5242 **Semiplena.** Double row of petals, yellow with red center. ⅛ oz., **30c**..... .10

5243 **Compacta.** A compact variety bearing its varied colored flowers well above foliage. ¼ oz., **25c** .10

Friendship. Flowers yellow with red central disc, long stems, fine for cutting. One of the finest of all Gaillardias. *Plants, each* **25c**; *doz.*, **$2.50**..... ..

5244 **New Hybrids.** Very large flowers, in a great variety of colors..... .25

Lady Rolleston. Beautiful pure yellow, large flower, a great favorite. *Plants, ea.* **35c**; *doz.*, **$3.50** ..

Masterpiece. Large crimson center, with yellow edge, fine large flowers. *Plants, each* **25c**.. ..

5245 **Maxima Kermesina Splendens.** Center crimson, with canary yellow border. *Plants, each* **15**; *doz.*. **$1.50**. ⅛ oz., **25c**..... .10

5246 **Sulphurea Oculata.** Pale yellow, maroon eye... .10

FUNKIA (Day Lily)

NEW GAILLARDIA Friendship

Per Pkt.

GALEGA Hartlandi (Goat's Rue). 4½ ft. June-Aug. Long racemes of beautiful lilac, pea-shaped blossoms. A valuable cut-flower, should be in every hardy border. *Plants, each* **25c**; *doz.*, **$2.50**..... ..

GENTIANA.

Beautiful hardy border and rock plants, with shades of blue surpassing those found in any other family of plants.

5248 **Acaulis.** (4 in.) Large bell shaped, deep blue flowers; spring blooming.. .10

5249 **Lutea (Yellow Gentian).** 4 ft. July. Whorls of giant yellow flowers .... .10

GERANIUM (Crane's Bill).

Good summer-flowering border plants and the dwarfer kinds make excellent pot plants. All are very hardy and thrive in any garden soil.

5250 **Sanguineum.** 9 in. Large deep crimson-purple flowers. *Plants, each* **15c**; *doz.*, **$1.50**..... .10

Album. 9 in. Flowers pure white. Fine for edging. *Plants, each* **15c**; *doz.*, **$1.50**..... ..

5251 **GEUM Coccineum Plenum (Avens).** 1½ ft. Flowers are double, bright scarlet in color and last well when cut. Very large and profuse bloomer. .10

5252 **Heldreichi.** Beautiful orange flowers produced throughout summer..... .10

5253 **GLADIOLUS Gandavensis and Childsii.** Gladiolus is, contrary to general opinion, easily raised from seed, and if planted early will make good growth the first year. In this we offer the cream of a specialist's collection, and many good varieties may be expected ..... **.10**

GOLDEN ROD—See Solidago.

GRASSES (Ornamental). For foliage only. Very decorative.

Ornamental Grasses can be used with telling effects in borders, shrubberies, by the margins of lakes and streams, or as single specimens on the lawn.

Per Pkt.

5254 **Arundo Donax (Giant Reed).** 10-15 ft. Noble plant like a gigantic maize... .10

5255 **Erianthus Ravennae (Pampas).** 10 ft. Grand plumes. *Plants, each* **25c**.... .10

Eulalia Gracillima Univittata. 4-5 ft. Arching narrow green foliage. *Each* **25c** ..

5256 **Eulalia Japonica Zebrina (Zebra Grass).** 5 ft. Green foliage with distinct horizontal golden bands. *Plants, each* **25c**; *doz.*, **$2.50**..... .10

5257 **Variegata (Japan Rush).** 4 ft. The best of the variegated kinds. *Plants, each* **25c**; *doz.*, **$2.50**..... .10

5258 **Gynerium Argenteum (Pampas Grass).** 8 ft. free flowering with pure white plumes..... .05

Phalaris Arundinacea Variegata (Gardener's Garters). 2 ft. Variegated ribbon-grass, fine for cutting. *Plants, each* **15c**; *doz.*, **$1.50**..... ..

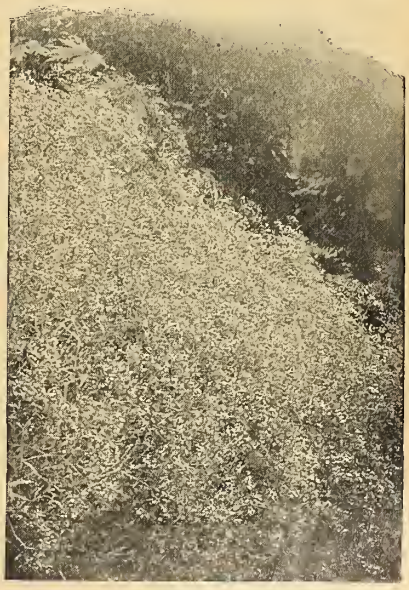
5260 **Stipa Pennata (Feather Grass).** 2 ft. Compact hair-like foliage, graceful feathery plumes..... .10

5261 **Collection, Hardy Grasses, 12 varieties.** (Seeds only)..... .25

GYPSOPHILA.

Graceful border and rock plants with small flowers on light stems. Greatly prized for cutting.

5262 **Paniculata (Baby's Breath).** 2 ft. July-Aug. Small flowers on branched stems, so thick as to give the plant a white lace-like effect. *Plants, each* **15c**; *doz.*, **$1.50**. ¼ oz., **25c**..... .05



GYPSOPHILA PANICULATA

When Ordering—If SEEDS use Numbers; if PLANTS give Names.

HIBISCUS—Mallow Marvel

Perennial Flower Seeds and Plants

GYPSOPHILA—Continued

Per Pkt.

5263 **Paniculata Flore Pleno.** Minute double white flowers, new, and highly decorative. *Plants, each* **25c;** *doz.,* **$2.50** ..... .25

Repens Monstrosa. 1 ft. Highly decorative white flowers all summer. *Plants, each* **20c;** *doz.,* **$2.00** .....

HELENIUM (Sneezewort).

Delightful perennials allied to the **Helianthus** (Sunflower).

5264 **Autumnale Superbum.** 5 ft. Large clear light yellow flowers in Sept. *Plants, each* **15c;** *doz.,* **$1.50.** ⅛ doz. **40c** ..... .10

5265 **Riverton Beauty.** 4 ft. Lemon yellow with black disc. *Plants, each* **25c;** *doz.,* **$2.50** ..... .10

5266 **Riverton Gem.** 4 ft. Rich crimson-brown and old gold. *Plants, each* **25c;** *doz.,* **$2.50** ..... .10

Rubrum. 5 ft. The deepest red sort. *Plants, each* **15c;** *doz.,* **$1.50** .....

5267 **Bigelowii.** 2 ft. Large rich yellow flowers. ⅛ oz. **50c** ..... .10

5268 **Hoopesii.** 2 ft. May-July. Rich orange yellow. ⅛ oz. **15c** ..... .10

HELIANTHUS (Hardy Sunflower).

Producing a grand effect planted in garden beds or borders, or in the woodlands or wild garden.

5270 **Maximilianus.** 7 ft. Aug.-Oct. Golden yellow, small flowers. ⅛ oz., **20c** .10

Multiflorus Plenus. 6-8 ft. Double yellow flowers, useful for cutting. *Plants, each* **15c;** *doz.,* **$1.50** .....

Rigidus, Miss Mellish. 7 ft. Fine large single yellow flowers, valuable for cutting. *Plants, each* **15c;** *doz.,* **$1.50;** 100, **$10.00** .....

5272 **Hardy Mixed Hybrids.** Great value for cutting ..... .25

Per Pkt.

5273 **HELIOPSIS Pitcherianus.** 5 ft. Aug.-Oct. Yellow semidouble flowers. ¼-oz. **25c.** .10

5274 **Scabra Zinniaeflora.** 2½ ft. Bright yellow Zinnia-like flowers. *Plants, each* **20c** .. .10

HELLEBORUS Niger (Christmas Rose). 8-12 in. Flowers white, faintly tinged rose. If grown in partial shade they will flower at Christmas, or earlier, flowers turning white. *Plants, each* **25c;** *doz.,* **$2.50;** 100, **$15.00** .....

HEMEROCALLIS (Yellow Day Lily).

The Day Lilies are magnificent hardy plants and are undoubtedly among the finest plants for ordinary garden culture, as they will grow anywhere in either partial shade or full sun. The flowers are produced in spikes of from six to a dozen blooms, opening in succession, and are very useful when cut for indoor decoration. Good for borders, shrubberies, wild garden or naturalizing in grass.

Aurantiaca. Orange yellow. *Plants, each* **25c;** *doz.,* **$2.50** .....

Aureole. Orange with ruddy reverse. *Plants, each* **35c;** *doz.,* **$3.50** .....

Dumortieri. Rich orange inside, brownish on outside. *Plants, each,* **15c;** *doz.,* **$1.50.** ..

Flava. Pleasing pale yellow *Plants, each* **15c;** *doz.,* **$1.50** .....

Florham. Fine rich golden yellow. *Plants, each* **25c;** *doz.,* **$2.50** .....

Fulva. Showy coppery red. *Plants, each* **15c;** *doz.,* **$1.50** .....

Kwanso fl. pl. Beautiful double orange flowers. *Plants, each* **15c;** *doz.,* **$1.50.**

Sovereign. Clear yellow, outside shaded chocolate. *Plants, each* **25c;** *doz.,* **$2.50.** ..

HEMEROCALLIS

HESPERIS Matronalis (Sweet Rocket). 2 ft.

5276 **Purpurea.** Purple. 5277 **Alba.** White, ea. ¼-oz. **15c** .05

HEUCHERA (Alum Root). 2 ft.

5278 **Brizoides Gracillima.** Graceful stems of rosy crimson flowers. *Plants, each* **25c;** *doz.,* **$2.50;** ¼-oz. **60c** ..... .10

Per Pkt.

Flambeau. Long spikes of rose flowers, very free flowering. *Plants, each* **25c;** *doz.,* **$2.50;** 100, **$15.00** .....

Pluie de Feu. Brilliant fiery scarlet. *Plants, each* **25c;** *doz.,* **$2.50** .....

5279 **Sanguinea.** Long stems of large crimson-scarlet flowers. *Plants, each* **25c;** *doz.,* **$2.50;** 100, **$15.00;** ⅛-oz. **40c** ..... .10

5280 **Splendens.** Vivid coral-scarlet, fine free flowering. Good cut flower. ⅛-oz. **60c** ..... .60

Walker's Variety (New). An improvement on "Splendens". *Each,* **35c;** *doz.,* **$3.50** ..

HIBISCUS (Rose Mallows). 3 to 5 ft. July to Sept.

Noble shrub-like plants, with handsome green foliage, and bearing throughout summer large bright flowers, varying from 3 to 5 inches in diameter. They are very hardy, and suitable for garden effect, and indoor use when cut.

5281 **Crimson Eye.** Creamy white flowers, large crimson center. *Each,* **15c;** *doz.,* **$1.50;** ¼-oz. **25c.** .05

5282 **Golden Bowl.** Deep cream, with a velvety maroon center. ¼-oz. **25c** ..... .10

5283 **Moscheutos (Rose Mallow).** Very showy pink flowers. *Each,* **15c;** *doz.,* **$1.50;** ¼-oz. **25c** .10

Mallow Marvels. White, Pink or Red. *Plants, each* **30c;** *doz.,* **$3.00** .....

5285 **Mixed.** Grand Assortment. *Plants, each* **25c;** *doz.,* **$2.50** ..... .10

HOLLYHOCK. 6-8 ft. Aug.-Sept.

One of the best hardy garden flowers. Makes a charming hedge or background. Hollyhock rust is the bane of every person who tries to grow hollyhocks. There is no remedy for it, but a great deal can be done towards preventing it and reducing the damage by spraying the plants with Bordeaux Mixture.

Double Varieties—

5286 **White** 5288 **Rose** 5290 **Salmon**
5287 **Pink** 5289 **Black** 5291 **Yellow**
} Each Color, ¼-oz. 40c; ⅛-oz. 30c. *Plants, each,* 20c; *doz.,* $2.00; *100,* $12.00 } .10

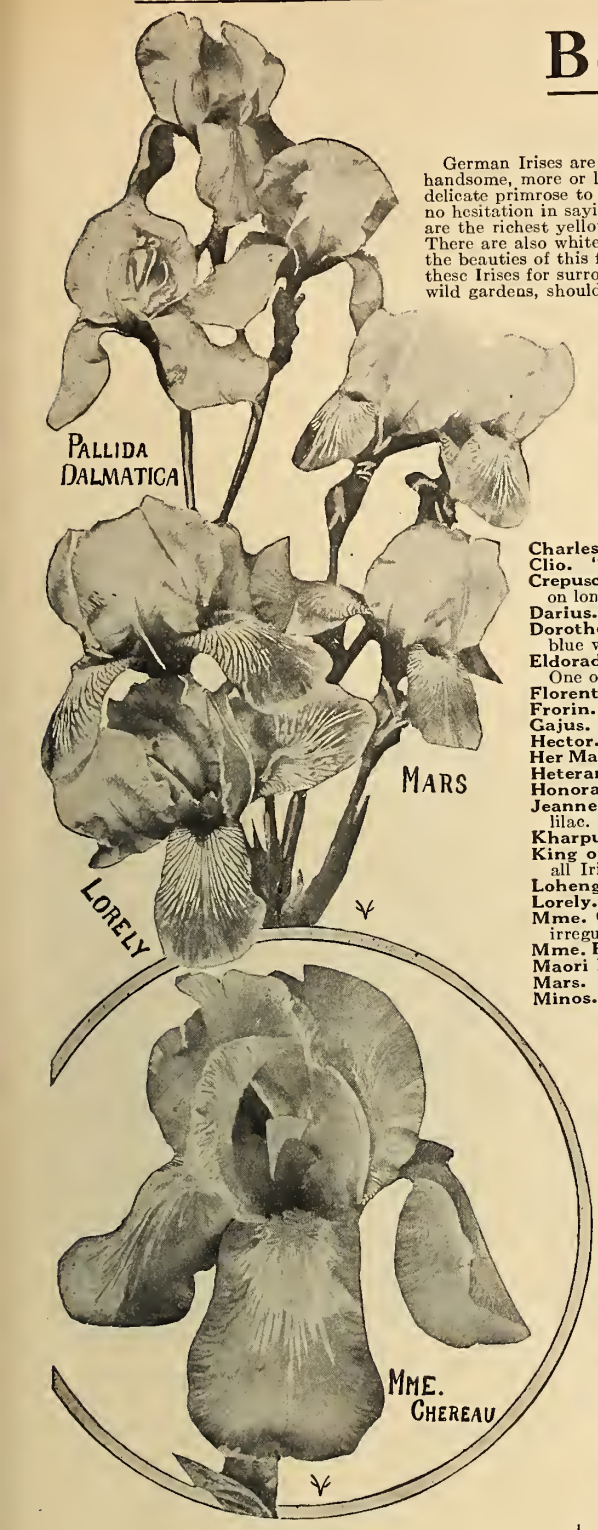
5292 **Crimson** 5294 **White** with rose base. 5295 **White** with purple base..... .10

5293 **Blood Red.** (Hollyhocks continued on page 96. No. 5296.) ..... .10

DOUBLE HOLLYHOCKS

Annual Flower Seeds are Offered in Separate List, Pages 57 to 84.

Beautiful Hardy Irises



German Iris - Fleur de Lis

German Irises are all sun lovers and delight in a well drained situation. They are all deliciously fragrant, large and handsome, more or less beautifully mottled in the "Standards" and veined in the "Falls," while the beards range from delicate primrose to orange. Their beauty at first sight rivals that of the Orchid, but, on closer examination, we have no hesitation in saying they yield points of interest not to be found in the whole of the Orchid family. In colors there are the richest yellows, the most intense purples and delicate blues, the softest mauves and very beautiful claret-reds. There are also whites, and primroses, and bronzes of every imaginable shade—indeed, language fails us in picturing all the beauties of this flower, and our descriptions, in consequence, fall far short of the reality. Those who have not used these Irises for surrounding lakes and ponds, or cultivated them in the flower borders, shrubberies, woodland walks, and wild gardens, should do so. If planted around ponds or lakes they should be placed well above the water level.

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals.

PRICES (Except where noted): Each, 15c; doz., $1.50; 100, $8.00; 1000, $75.00.

Archeveque. (Archbishop.) (New.) Deep velvety-violet; "S" Deep purple violet; an exquisite Iris; very scarce. **Each, 60c.**

Aureole. "S" Deep orange; "F" Reddish brown with white netted base.

Black Prince. (Kochi Atropurpurea.) "S" Purple lilac; "F" Rich velvety black. **Each, 25c; doz., $2.50.**

Candelabre. (New.) "S" Silvery mauve and purple; "F" Violet, with white and black veins. Late. A grand Iris. **Each, 60c; doz., $6.00.**

Candicans. A clear pale blue, free-flowering variety with prominent white veins. **Each, 25c; doz., $2.50.**

Caprice. (New.) "S" Reddish purple; "F" Deeper, self-colored. One of the best red Irises. **Each, 50c; doz., $5.00.**

Celeste. Fine satiny blue. One of the most beautiful of German Irises. **Each, 20c; doz., $2.00.**

Charles Dickens. "S" Blue; "F" Blue, suffused dark purple.

Clio. "S" Pure white; "F" Ultramarine blue. **Each, 30c; doz., $3.00.**

Crepuscule. "Standards" and "Falls" delicate violet purple, quite devoid of markings. Large flowers on long stems, Early. Very desirable. **Each, 50c; doz., $5.00.**

Darius. "S" Primrose yellow; "F" Lilac and primrose. **Each, 25c; doz., $2.50.**

Dorothea. (New.) An early dwarf flower of exceptional merit. "S" Mauve, deeper in center; "F" Soft blue with orange veinings. Very fine. **Each, 50c; doz., $5.00.**

Eldorado. (New.) "S" Bronze shaded yellow; "F" Violet purple touched at sides with bronze yellow. One of the most distinct and richest colored of all. **Each, $1.00.**

Florentina Alba (Silver King). Creamy white, faintly flushed lavender. **Each 20c; doz., $2.00.**

Frorin. "Standards" and "Falls" pale canary yellow, merging to cream at base.

Gajus. "S" Light clear yellow; "F" Crimson, reticulated white and yellow. **Each, 25c; doz., $2.50.**

Hector. "S" Soft clouded yellow; "F" Velvety crimson; showy; 30 inches.

Her Majesty. "S" Soft rose; "F" Deep rose, heavily veined, large handsome flower. **Each, 25c; doz., $2.50.**

Heteranth. "S" Bright blue; "F" Deeper blue. Early.

Honorabilis (Sans Souci). A most effective combination. "Standards" golden; "Falls" rich mahogany.

Jeanne d'Arc. (New.) Flowers large, sepals broad, of a fresh clear lilac. "F" Pure white, bordered lilac. 3 ft. **Each, 75c.**

Kharput (Italia). "S" Violet; "F" Violet purple, large handsome bloom. **Each, 20c; doz., $2.00.**

King of Iris. (New.) "S" Lemon yellow; "F" Deep brown and yellow. One of the most beautiful of all Irises. **Each, 35c; doz., $3.50.**

Lohengrin. Large handsome silvery-mauve flowers. **Each, 35c; doz., $3.50.**

Lorely. "S" Light Yellow; "F" Ultramarine blue, bordered cream. **Each, 20c; doz., $2.00.**

Mme. Chereau. One of the most beautiful of its class. The flowers are pure white, with a broad and irregular border of clear blue, and are borne on strong upright stems that are often from two to three feet tall.

Mme. Pacquitte. Bright rosy claret. A charming self color, deliciously fragrant. **Each, 20c; doz., $2.00.**

Maori King. "S" Golden Yellow; "F" Velvety maroon margined gold. **Each, 25c; doz., $2.50.**

Mars. "S" Light yellow; "F" Pale yellow with violet blotches and veins.

Minos. "S" Coppery bronze; "F" Deep claret, veined white toward base. 2 ft.

Monsignor. Tall, large blossems borne in profusion. "S" Blush lavender; "F" Violet with white pencilings at throat. A truly magnificent specimen. **Each, 75c.**

Mrs. H. Darwin. "S" Clear waxy white; "F" White with violet veins.

Mrs. Newbronner. A rich golden yellow self. Very fine. **Each 35c; doz., $3.50.**

Nuee d'Orage. (Stormcloud) (New.) Very large flowers of a greyish slate blue with bronze shading. "F" Purplish blue, very fine. **Each, 75c.**

Pallida Dalmatica. One of the most beautiful of all the German Iris. Perfectly hardy, strong grower and very free flowering. Exquisite shade of lavender. **Each, 20c; doz., $2.00.**

Pallida Mandraliscae. Rich lavender-purple, large and handsome. **Each, 25c; doz., $2.50.**

Peacock's Eye. "S" Clear olive yellow;"F" Brownish, shading to a clear yellow border on edges. **Each, 30c; doz., $3.00.**

Pharaon. Very fine soft lilac. Large flowers, late.

Plicata. "S" Bright violet-purple; "F" Deep violet-purple, with lighter shadings.

Princess Victoria Louise. (New.) "S" Immense sulphur yellow; "F" Plum color, edged cream, very fine. **Each, 35c; doz., $3.50.**

Queen of May. "S" Lilac Pink; "F" Lilac, blended with white; distinct. **Each, 20c; doz., $2.00.**

Rhein Nixe. (New.) "S" White, very large. "F" Rich violet purple with distinct narrow white edge. A charming flower. **Each, 50c.**

Stenophylla. "S" Pale blue, indistinct stripes. "F" Darker. Tall.

Tamerlane. (New.) "S" Pale violet; "F" Deep purple. Magnificent, tall, bold. **Each, $1.00.**

Trautlieb. "S" and "F" lovely uniform rose; very striking. Undoubtedly one of the best. **Each, 35c; doz., $3.50.**

Venus. "S" Lemon yellow, shading to golden yellow towards the base. "F" Deeply veined with purple on a white ground.

GERMAN IRIS MIXED. Each, 10c; doz., $1.00 (postpaid); (by express) **per 100, $5.00; per 1000, $45.00.** (25 at 100 rate, 250 at 1000 rate.)

SPECIAL OFFER NO. 97. 6 German Iris in 6 named kinds, our selection, **PREPAID FOR 70c.**

Iris Siberica

Orientalis. (Yale Blue). A slender, graceful, tall-growing Iris, with deep blue flowers. **Each, 15c; doz., $1.50.**

Blue King. Fine clear violet blue. **Each, 25c; doz $2.50.**

Geo. Wallace. Azure blue. "F" Streaked white. **Each, 25c; doz., $2.50.**

Snow Queen. Snow-white flowers borne on strong erect stems. **Each, 20c; doz., $2.00.**

Superba. Very large violet blue flowers. **Each, 25c; doz., $2.50.**

Iris Pumila Hybrida

Dwarf variety of German Iris, growing about 8 inches high, very free blooming, sweet scented. These bloom about two weeks before the German Iris. **Cyanea.** Rich royal purple with black shading. **Florida.** Beautiful lemon yellow shaded darker. **Each, 15c; doz., $1.25; per 100, $8.00.**

Iris Interregna

Resulting from a cross between the Pumila and German Iris, this type has retained the good qualities of both and yet is entirely distinct. It has the strength and vitality of the Pumila as well as the large flower and beautiful colors of the German type. Blooming profusely after the former has faded but earlier than the latter, the Interregna type fills the gap and supplies a perfection of bloom throughout a considerable period, when flowers are greatly prized. The height is intermediate and its freshness of foliage is kept until autumn.

Halfdan. Rich creamy yellow, very fine keeper. **Each, 20c; dozen, $2.00.**

Walhalla. Petals rosy lavender above, delicate claret red below. **Each, 15c. dozen, $1.50; per 100, $8.00.**

Iris Longipetala Superba

Flowers soft porcelain-blue, with long pale blue falls, having a golden blotch at the base. Fine for massing. **Each, 15c; dozen, $1.25.**

IRIS SIBERICA

Perennial Flower Seeds and Plants

JAPAN IRIS (Iris Kaempferi)
A splendid hardy plant of easy growth; delights in constant cool, moist soil. In its native home it flourishes in swamps succeeding admirably by the side of streams, lakes and ponds. Few people are aware of the beauty of this class of Iris which commences blooming about the middle of June and continues for five or six weeks. Many of the flowers measure 8 to 10 inches in diameter, the various shades of color are exquisite.

Choice Mixed. Including Rose, Deep Red, Blue, White, etc. **Single** or **Double** *each*, **25c**; *doz.*, **$2.50.**

VARIOUS IRISES

Longipetala Superba. Flowers soft porcelain-blue, with long pale blue falls, having a golden blotch at the base. Fine for massing. *Each*, **15c**; *doz.*, **$1.25.**

Pumila Hybrida. Dwarf variety of German Iris, growing about 8 inches high, very free blooming, sweet scented. These bloom about two weeks before the German Iris.

Cyanea. Rich royal purple with black shading. **Florida.** Beautiful lemon yellow shaded darker. *Each*, **15c**; *doz.*, **$1.25**, 100, **$8.00.**

Versicolor. Flowers are very showy light blue, flowering in June and July, remaining in bloom a long time. Thrives in moist locations. *Each*, **15c**; *doz.*, **$1.25**; 100, **$8.00.**

HOLLYHOCK—Continued from page 94.

Per Pkt.

5296 **Double Mixed Colors.** *Plants, each* **15c**; *doz.*, **$1.50**; ¼ oz. **25c** ..... .05
5297 **Imported Collection** (Double) 12 varieties. (Seeds only) 50
5298 **Imported Collection** (Double) 6 varieties. (Seeds only) 25
5299 **Allegheny Mixed.** Semi-double and single flowers *Plants, each* **15c**; *doz.*, **$1.50** .... .10
5300 **VAUGHAN'S PRIZE MIXTURE.** Finest shades in perfect flowers ..... .10

VAUGHAN'S SPECIAL

Single Varieties—
5301 **Red.** 5301a **Pink.** 5301b **Black.** 5301c **Flesh.** Each .10
5302 **Rose.** 5302a **White.** 5302b **Yellow.** Each ..... .10
5303 **Mixed.** ½ oz. **20c.** *Plants, each* **15c**; *doz.*, **$1.50**; 100, **$10.00** ..... .05
5303a **HYACINTHUS Candicans.** White Yucca-like flowers. Very decorative. ¼ **oz., 15c** .05

IBERIS (Perennial Candytuft). 6-10 in. Per Pkt
Dwarf evergreen plants covered with blooms in spring and early summer. Excellent for rockeries or borders.

5304 **Gibraltarica.** Pinkish white, compact bushy habit. *Plants, each* **15c**; *doz.*, **$1.50.** ⅛ oz., **50c** ..... .10
Little Gem. Pure white, very dwarf. *Plants, each* **15c**; *doz.*, **$1.50** ....
5305 **Sempervirens.** Flowers form a sheet of whiteness, dwarf and compact. *Plants, each* **15c**; *doz.*, **$1.50**; 100, **$10.00**; ⅛-oz. **50c** ..... .10
5306 **INCARVILLEA Delavayi (Hardy Gloxinia).** 2 ft. June. A new gloxinia-like flower borne in large bright rose umbels. Likes a sunny situation. *Plants, each* **20c**; *doz.*, **$2.00**; ⅛-oz., **65c** ..... .10
5307 **Grandiflora.** 1 ft. Dwarf crimson flowers with white and yellow throat. *Plants, each* **20c**; *doz.*, **$2.00**; ⅛-oz., **65c** ..... .10
5308 **INULA Grandiflora (Flea Bane).** 18 in. June-July. Large, handsome, daisy-like golden yellow flowers. Fine for cutting. *Plants, each* **25c** ..... .10
5309 **Ensifolia.** 9 in. Neat, bearing large golden yellow flowers. *Plants, each* **15c**; *doz.*, **$1.50**; ⅛ oz. **50c** ..... .10
5310 **IRIS Kaempferi.** The beautiful Japanese Iris—seed is of slow germination. .10

LATHYRUS Latifolius. (Hardy Pea.)
5311 **Albus.** 6 ft. Pure white flowers. *Plants, each* **15c**; *doz.*, **$1.50.** 1 oz., **50c** ..... .10
5312 **Pink Beauty.** Pale pink variety. *Plants, each* **15c**; *doz.*, **$1.50.** 1 oz., **60c.** .05
5312a **Rubra.** Bright rosy crimson. *Plants, each* **15c**; *doz.*, **$1.50.** 1 oz., **60c** .... ..
5313 **Mixed.** The above colors. 1 oz., **50c** ..... .05

LAVENDULA Vera (True Lavender) A much prized, highly perfumed border plant. *Plants, each* **15c**; *doz.*, **$1.50**; 100, **$10.00** ..... .10
5314 **LEPACHYS Hybrida Pulcherrima.** Somewhat resembling Rudbeckia; flowers vary from yellow to brown .10

LOBELIA CARDINALIS

LIATRIS Pycnostachya (Blazing Star) 3 ft. Handsome border plant with long rose colored, purple spikes. *Plants, each* **15c**; *doz.*, **$1.50** ....
5316 **Spicata (Devil's Bit)** Dense spikes of rosy purple flowers. *Plants, each* **15c**; *doz.*, **$1.50** ..... .10

LUPINUS POLYPHYLLUS

LILY OF THE VLLEY. Large clumps for spring planting. *Each*, **30c**; *doz.*, **$3.00** .. ..

LINARIA (Toad Flax).
Fine showy free flowering plants, of a creeping or trailing habit. Good for borders, window boxes, or rockeries.

5318 **Cymbalaria (Kenilworth Ivy).** 3 in. Dainty lilac and orange flowers throughout summer; trailing habit. ⅛ oz., **30c** ..... .05
5319 **Alba.** 3 in. White with orange lip. ⅛ oz., **35c** ..... .05

LINUM (Flax)
5320 **Flavum.** 1 ft. June-July. Bright yellow flowers. *Plants, each* **15c**; *doz.*, **$1.50** .... .10
5321 **Narbonense.** 18 in. Sky-blue flowers on graceful slender stems ..... .10
5322 **LINUM Perenne.** 2 ft. Pearly blue flowers. A graceful hardy perennial. ½ oz., **15c** .05
5323 **Album.** Milk white flowers, very decorative. *Plants, each* **15c**; *doz.*, **$1.50** .... .05
5324 **LOBELIA Cardinalis (Cardinal Flower).** 2 ft. July-Oct. Brilliant fiery scarlet flowers, prefers moist position. *Plants, each* **15c**; *doz.*, **$1.50** ..... .05
5325 **Syphilitica.** 2 ft. Dense spikes of tubular rich blue flowers ..... .15
5326 **LUNARIA Biennis (Honesty or St. Peter's Penny.)** Flowers white, followed by silvery seed pods, prized for winter decoration. 1 oz. **25c** ..... .10
5327 **Alba** Pure white. ½-oz. **25c** ..... .10

Prices for 3 plants of a kind are given on page 87. Use separate order sheet for plants.

Perennial Flower Seeds and Plants

LUPINUS (Lupin).
Most beautiful hardy border plants producing tufts of soft green foliage, from which arise in continuous succession the stately spikes of bloom.

Per Pkt.

Polyphyllus (Old Fashioned Garden Lupin). 3 ft. Stately spikes of blue flowers all summer. *Plants, each* **15c;** *doz.,* **$1.50** ..
5328 **Albus.** Large pure white spikes. ½-oz. **25c** .05
5329 **Roseus.** 4 ft. Light and dark rose flowers on long spikes. ¼-oz. **40c** .10
5330 **Mixed.** Splendid value. 1-oz. **25c** .05
5331 **Atro-coeruleus.** Deep blue. 1-oz. **40c** .05
5332 **Arboreus, Snow Queen.** 4 ft. The beautiful white **Tree Lupin,** forms a bush like a flowering shrub. ⅛-oz. **25c** .10
5333 **LYCHNIS Chalcedonica (Jerusalem Cross).** 3 ft. June-Aug. Brilliant scarlet in dense flat heads. A grand border plant. *Plants, each* **15c;** *doz.,* **$1.50.** ½ oz. **25c** .05
5334 **Alba (White Campion).** Flowers white. *Plants, each* **15c;** *doz.,* **$1.50.** .10
5336 **Haageana (Maltese Cross).** 9 in. Brilliant orange scarlet. *Plants, each* **15c;** *doz.,* **$1.50.** ⅛-oz. **40c** .10
5337 **Hybrids.** Mixed colors ranging from nearly white to bright scarlet. ¼-oz. **50c.** .05
5338 **Sieboldii.** 1 ft. Large flat pure white heads. *Plants, each* **15c;** *doz.,* **$1.50** .10
5339 **Viscaria Splendens (Catch Fly).** 1 ft. Spikes of single rose flowers .10
Splendens Plena (Double Catch Fly). 18 in. Spikes of brilliant rosy crimson flowers, reminding one of double red stock. *Plants, each* **20c;** *doz.,* **$2.00** ..
5340 **Alpina.** 4 in. Clusters of rose colored flowers, dwarf. *Plants, each* **25c** .10
LYSIMACHIA Numullaria (Creeping Jenny). A pretty trailing plant, with golden yellow flowers. Valuable for baskets and boxes. *Plants each* **15c;** *doz.,* **$1.50** ..

MERTENSIA VIRGINICA

Per Pkt.

5341 **LYTHRUM Roseum Superbum.** 4 ft. Tall erect pink spikes. ½ oz., **25c** .10
Perry's Variety. 3-4 ft. An improvement on the old "Loose Strife". Larger flowers and larger spikes of glistening cherry red. Thrives in moist places. *Plants, each* **25c;** *doz.,* **$2.50** ..
5342 **MALVA Alcea.** 2 ft. A hardy showy border plant with bright rose flowers from June to October .10
5343 **Moschata (Musk Mallow).** 2 ft. Large pale pink flowers .10
MERTENSIA Virginica (Blue Bells, Virginian Cowslip). 2 ft. Lovely drooping flower spikes of a rare pale blue color. *Plants, each* **15c;** *doz.,* **$1.50** ..
MICHAELMAS DAISY. See **ASTER (Hardy).**
MINT. Old fashioned hardy useful plant. *Plants, each* **15c;** *doz.,* **$1.50;** 100, **$8.00** ..
MONARDA (Bergamot, Oswego Tea). Flowers all summer.
5345 **Didyma.** 3 ft. Terminal heads of rich scarlet flowers, emitting a very pleasant scent. *Plants, each* **15c;** *doz.,* **$1.50** .100 seeds .50
5346 **Hybrida.** Choice assortment in rose, scarlet and crimson shades. *Plants, each* **15c** .10
MYOSOTIS (Forget-Me-Not). 4 to 9 in.
Well known pretty flowers for borders and beds, their various shades being very effective.
5347 **Alpestris Indigo Blue.** Lovely deep blue. ⅛ oz. **15c** .05
5348 **Alba.** Pure white. ⅛ oz. **15c** .05
5348a **Blue.** ⅛ oz., **15c** .05
5349 **Rosea.** Pink. ⅛ oz. **15c** .05
5350 **Eliza Fonrobert.** Sky blue, white eye. ⅛ oz. **20c** .05
5351 **Victoria.** Large bright azure blue. *Plants, each* **15c;** *doz.,* **$1.50.** ⅛ oz., **25c** .10
5351a **Alpestris Mixed.** ⅛ oz., **25c** .05
5352 **Dissitiflora.** Rich blue, early and compact. One of the best. ⅛ oz., **50c** .10
5353 **Palustris.** The true Swamp Forget-Me-Not. *Plants, each* **15c;** *doz.,* **$1.50** .10

MONARDA DIDYMA

Per Pkt.

5354 **Semperflorens.** Dwarf blue, in flower from early spring until autumn 10
5355 **Ruth Fischer.** Rosettes of broad green foliage with large clear pale blue flowers. It is a gem among Forget-me-nots, and will remain a variety of distinction and comparative rarity when properly cared for. We unhesitatingly recommend the cultivation to the progressive private gardeners. It is a charming bedding plant also adapted for potting and flowering under glass .25
5356 **Star of Love.** Dark green foliage with compact, large dark blue flowers .25
5357 **Sylvatica.** Bright blue, spreading habit .10
5358 **Vaughan's Early and Late Flowering.** Exquisite sky blue flowers, on long stems. Blooms throughout the year. ⅛ oz., **25c** .10
OENOTHERA (Evening Primrose). 2 ft.
Showy and beautiful plants for borders, beds, etc., flowering from June to October.
5360 **Eldorado.** Double golden yellow flowers .10
5361 **Fruticosa Major.** 2½ ft. Almost identical with Fraseri .10
5362 **Lamarckiana.** Enormous yellow flowers. Very free .10
5363 **Fraseri.** Rich golden yellow flowers. ⅛ oz., **40c** .10
5364 **Macrocarpa.** 1 ft. Long trailing stems with large yellow flowers. *Plants, each* **15c;** *doz.,* **$1.50** .10
5365 **Youngii.** Very showy with numerous sprays of deep yellow flowers. *Plants, each* **15c;** *doz.,* **$1.50.** ⅛ oz., **40c** .15
5366 **OXALIS Tropaeoloides.** Suitable for rock work, rustic baskets, etc., largely used in parks. Flowers deep yellow, leaves brown. ⅛ oz. **15c** .05
PACHYSANDRA Terminalis. 4 in. Small whitish flowers in May, which are insignificant, deep green evergreen foliage, after the Helleborus type but much smaller; unsurpassable where an evergreen carpet is required. Looks well on graves, around shrubs and under trees, thrives anywhere. *Plants, each* **15c;** *doz.,* **$1.50** ..

(Continued on page 100)

MYOSOTIS—Ruth Fischer

When ordering—If SEEDS use numbers; if PLANTS, give names

Vaughan's Hardy Phlox

Phlox Decussata

THIS is one of the most useful flowers for summer decoration, the colors varying from pure white to deep crimson. They are not at all particular as to soil, and are exceedingly hardy. To obtain good results it is wise to manure the soil well and give them a fairly open situation, and an occasional soaking of water during very dry weather. Once planted they require no further attention for several years, but it is advisable to renew them about every fifth year.

The flowering period is from the early part of July to the middle of September and they grow to heights varying from 1 to 3 and even 4 feet. If the first flower spikes are cut off as soon as over, and the plants are given a good soaking, a second crop of bloom extending until late in fall may be expected.

Our collection contains the finest of the new introductions. The colors are beautiful and striking, and the individual flowers are in many cases twice and thrice the size of older varieties.

The blue, lavender, and orange colored ones should be planted in semi-shade, as the sun is apt to bleach out the colors in a short time.

Letters and numbers immediately following the varieties indicate time of flowering and approximate height as follows:

(1) Early (D) Dwarf
(2) Mid-season (M) Medium
(3) Late (T) Tall

Our prices are for one-year field-grown plants.

At **$1.50 per dozen**, price per **100 is**.....**$10.00**
At **$2.00 per dozen**, price per **100 is**.....**$14.00**
At **$2.50 per dozen**, price per **100 is**.....**$18.00**

25 of any variety supplied at these rates.

Antonin Mercie. (M 2.) A beautiful grayish lilac with white center. **Ea., 15c; doz., $1.50.**
Aurora. (D 2.) Large trusses of brilliant rose pink. **Each, 20c; dozen, $2.00.**
Baron Von Dedem. (T 2.) Brilliant orange-scarlet with immense trusses and individual flowers. **Each, 20c; dozen, $2.00.**
Beranger. (D 1.) Ground color white, delicately suffused with rosy pink and a distinct amaranth red eye. **Each, 15c; dozen, $1.50.**
Braga. (M 2.) Mauve rose color suffused with salmon, large white eye. **Ea., 25c; doz., $2.50.**
Bridesmaid. (D 2.) Pure white, large crimson-carmine eye. **Ea. 15c; doz. $1.50.**
Clara Benz. (D 2.) Brilliant carmine-rose. **Each, 20c; dozen, $2.00.**
Cocquelicot. (T 2.) A fine orange scarlet with crimson eye. **Each, 15c; dozen, $1.50.**
Crespuscule. (M 2.) Large cherry red center, edged pale violet pink. **Each, 20c; dozen, $2.00.**
Eclaireur. (T 3.) Brilliant rosy magenta with lighter halo. **Each 15c; doz. $1.50.**
Elizabeth Campbell. (D 2.) New. Bright salmon pink with lighter shadings and dark crimson eye. One of the best. (Illustrated on back cover). **Each, 15c; dozen, $1.50.**
Eugene Danzanvillier. (D 1.) Soft lilac blue with large white center, free and continuous bloomer. (Illustrated on back cover). **Each, 15c; dozen, $1.50.**
Europa. (T 2.) White, distinct carmine eye, large flower. Very distinct; one of the best. **Each, 25c; dozen, $2.50.**
Flora Hornung. (D 2.) Milk-white with carmine eye. **Each, 20c; doz., $2.00.**
Frau A. Buchner. (M 2.) Pure white. Undoubtedly the finest white yet raised. Strong habit. **Each, 25c; dozen, $2.50.**
Fraulein Von Lassburg. (T 2.) The purest snow-white in cultivation. Extra fine. **Ea, 20c; dozen, $2.00.**
General Von Heutz. (T 2.) Brilliant salmon red with white center. Very large heads; free bloomer. **Each, 15c; dozen, $1.50.**
Goliath. (T 2.) The tallest of all the new Phloxes, growing 5-6 ft. high. Bright carmine, with dark carmine eye. **Each 25c; doz., $2.50.**
Gruppen Koenigin. (M 2.) Flesh with dark eye. Immense heads; very large individual flowers; very free and lasting. **Each, 20c; dozen, $2.00.**
Hervor. (M 2.) Carmine rose with white eye. **Each, 25c; dozen, $2.50.**
Inspector Eippel. (T 2.) New. Large flower, light pink, with crimson eye. An improvement on Selma. **Each, 25c; dozen, $2.50.**
Jeanne d'Arc. (T 3.) Fine pure white. **Each, 15c; dozen, $1.50.**

ELIZABETH CAMPBELL

Katinka Beeli. (M 2.) Large trusses, coppery crimson with blood-red eye. Very distinct. **Each 25c; dozen, $2.50.**
Le Madhi. A metallic bluish-violet color having fine large truss, a prolific bloomer. One of the very best of its color. **Each, 20c; dozen, $2.00.**
Mme. Bezanson. (T 2.) Bright rosy red. **Each, 15c; dozen, $1.50.**
Mme. Paul Dutrei. (M 1.) Soft pink, suffused white. **Ea., 15c; doz., $1.50.**
Miss Lingard (T 1.) (Suffruticosa). Pure white; the earliest of all. Blooms all summer; good for cut flowers. **Each, 20c; dozen, $2.00.**
Mrs. Arthur Baker. (M 2.) Fine salmon; very distinct. **Ea., 20c; doz., $2.00.**
Mrs. Jenkins. (M 1.) A very free flowering early variety of medium height producing immense panicles of pure white flowers. (Illustrated in color on back cover). **Each, 15c; dozen, $1.50.**
Pantheon. (T 2.) Deep salmon rose, very fine. **Each, 20c; dozen, $2.00.**
R. P. Struthers. (T 2.) Rosy carmine with claret eye. **Each, 20c; dozen, $2.00.**
Rhynstrom. Beautiful color not unlike that of Paul Neyron Rose. A good strong grower and a very free-flowering variety. **Each, 25c; dozen, $2.50.**
Rosenberg. (M 2.) New. Bright reddish violet with blood-red eye; individual flowers large. **Each, 20c; dozen, $2.00.**
Selma. (T 2.) Large trusses of very large pink flowers with cherry-red eye; choice. **Each, 20c; dozen, $2.00.**
Sigrid Arnoldson. (T 2.) Fiery carmine red with dark center; extra fine. **Ea, 25c; doz, $2.50.**
Tapis Blanc. (D 1.) Pure white; immense heads. The best dwarf Phlox in cultivation. **Each, 25c; dozen, $2.50.**
Von Goethe. (M 2.) Pure clear pink with white eye. **Each, 20c; dozen, $2.00.**
Wanadis. Mottled white and light violet, intensified with bright purplish red eye; very distinct. **Each, 25c; dozen, $2.50.**
Widar. (M 2.) A much admired violet blue with white eye; a rich colored form of Antonin Mercie. **Each, 25c; dozen, $2.50.**
MIXED.—1 year field-grown plants of a choice mixture of colors. Unnamed varieties. **Each, 10c; dozen, $1.00; per 100, $6.00; by express only.**

FRAULEIN VON LASSBURG

SPECIAL COLLECTIONS

SPECIAL OFFER No. 100A.—One each of 10 varieties, our selection from above. All distinctly labelled for **$1.50 by express**, not prepaid.
COVER COLLECTION. Two plants of each of the three Phloxes, three distinct colors. illustrated on the back cover of this catalog. **6 plants for 90c.** (Postpaid).

PHLOX ARENDSI

A new type of Phlox originated by a successful crossing of the early flowering Phlox Divaricata Canadensis with the showy herbaceous varieties of Phlox Decussata. The plants are of vigorous branching habit, growing according to the variety from 12 to 24 inches high. Coming into flower during the latter part of May they continue in good condition for nearly two months, producing a mass of flowers unknown in other types of Phlox.
Amanda. 15 in. high, well branched. Flowers of medium size, early, lavender with dark center. A splendid bedder.
Grete. 20 in. White. Spreading habit, bearing quantities of good sized flowers.
Luise. Height about 24 in. Color of flower pale lilac with carmine eye.
Price, any of above, each, 35c; dozen, $3.50.

DWARF AND ALPINE PHLOX

These are remarkable for their dense prostrate habit and mass of bloom in spring and early summer. They are splendid subjects for the fronts of borders and graves. They are quite distinct from the Phloxes offered above.
Amoena Rosea. Bright pink; May to June; height 6 in. **Each, 15c; doz., $1.50.**
Divaricata Laphami. (New.) A very beautiful variety with clear lavender blue flowers from April to July; height 1 foot. **Each, 15c; dozen, $1.50.**
Maculata Alpha. Dwarf early variety with dark pinkish mauve flowers, stems usually spotted and slender. **Each, 25c; dozen, $2.50.**
Pilosa Splendens. From 12 to 15 inches high producing great masses of brilliant rosy-carmine flowers. It blooms at the same time as Phlox Divaricata making a splendid companion to it. A very effective sort. **Each, 25c; dozen, $2.50.**
Subulata Alba. A compact mass of elegant prostrate foliage, dainty white flowers in May and June; height 4 inches. **Each, 15c; dozen, $1.50.**
Subulata Rosea. Same as above but with dainty rose pink flowers. This and Alba are fine for graves. **Each, 15c; dozen, $1.50.**

6 plants of a kind supplied at dozen rate, 25 at 100 rate.

JEANNE D'ARC

M. KRELAGE

LA GRANGE

COURONNE D'OR.

VAUGHAN'S PEONIES

PEONIES, especially the modern introductions, are probably the most valuable, and most beloved of all perennial plants. Planted in sun or semi-shade, in single clumps or long beds; or bordering lawns, shrub rows, and carriage drives, they give a grand display of large fragrant blossoms of brilliant colors during June, followed by their exquisite foliage which is very ornamental during summer months. They are also most effective for home and table decorations, and last longer in water than many other perennials. Avoid buying cheap Peonies, they require just as much care as the better kinds, and are disappointing in the end. We grow only varieties that we have thoroughly tested at our trial grounds, and here offer the grandest Peonies in commerce.

Planting. Peonies may be planted in spring as soon as the frost is out of the ground. Orders should be sent in at once so that we can forward when weather permits. Avoid planting too deeply, as this is often the cause of shy blooming, 2 or 3 inches of soil over the crown (eyes) being sufficient. After planting give a heavy mulching of **rotten** stable manure, and do not transplant the clumps for at least 5 years, and then only if very necessary. **Full cultural directions are sent with each order.**

We offer three sizes, viz:—**Divided roots,** 3 to 5 eyes. **Medium roots,** 5 eyes and up. **Large roots,** 4 to 5 year old clumps, 8 eyes and up.

D—Divided. M—Medium. L—Large Roots.

White and Light Varieties

Albatre. Large, compact, rose-type bloom, wide center petals. Milk white, center petals edged carmine. Extra good. Midseason. **D, 75c.**

Avalanche. Large globe-shaped bloom similar to the preceding, but not as early. **D, 75c.**

Carnea Triumphans. Guards and crown pale pink, collar amber-white, fragrant. Midseason. **D, 50c; M, 75c.**

Charlemagne. Lilac white with a slight blush center, fragrant, medium height, free bloomer. Globular rose-type flower. Flowers open better in water in house than on the plant. Late; extra. **D, 50c; M, 75c; L, $1.25.**

Couronne D'Or. Large, flat, semi-rose type. Pure white, with a ring of yellow stamens around a tuft of center petals, tipped carmine. Medium tall, splendid grower, free bloomer. Late. **D, 50c; M, 85c.**

Duchess de Nemours (Calot). Sulphur white with greenish reflex. Flower large, cup-shaped. Splendid cut flower variety. Midseason, follows Festiva Maxima; fragrant. **D, 40c; M, 75c; L, $1.25.**

Duc de Wellington. Large bomb, white guards, sulphur center. Fragrant. Medium tall, vigorous grower; free bloomer. Late. **D, 50c; M, 75c.**

Festiva (Drop White). True, large, full, double; creamy white with crimson spots in center. Dwarf. Late. **D, 50c.**

Festiva Maxima. The best known Peony. Flower of immense size—7 to 8 in. in diameter—snow white, with some red spots on the edge of the center petals. Very sweet. Early. **D, 45c; M, 60c; L, $1.25.**

Jeanne d'Arc. Very similar to "Golden Harvest," but larger, and finer. Collar, cream white, shaded with sulphur. Guards, pale lilac-rose, and full high brilliant pink center, with occasional carmine spots. A vigorous plant, and a very free midseason bloomer. Exquisitely fragrant. **D, 50c; M, 75c.**

La Rosiere. Large, compact semi-double flower, with broad petals, outer petals pure white at center with yellowish-white border. In form and effect resembles an enormous tea rose. Midseason. **D, 60c; M, 85c.**

La Tulipe. Very large shell-formed bloom; delicate rose, fading to creamy white; center petals tipped with carmine; outside of guard petals striped with carmine. Late. **D, 50c; M, 75c; L, $1.25.**

Madame Breon. Guards brilliant rosy flesh, center creamy white to yellowish upon opening, fading to pure white; bloom very large, on long, strong stems. Fragrant. Early. **D, 50c; M, 85c; L, $1.50.**

Madame Crousse. Very large, full well-made flower; color snow-white, center petals edged with bright carmine. Extra fine for all purposes. Taken all together this is the best of all white Peonies. **D, 60c; M, 85c; L, $1.50.**

Madame de Vatry. Large, compact high crown. Guards and crown lilac white, with sulphur white collar. Fragrant; medium height; midseason. **D, 60c; M, 85c.**

Madame de Verneville. Guard petals sulphur white, center delicate flesh. Flowers very double and compact, imbricated; borne on long stems. One of the most desirable for all purposes. Fragrant; early. **D, 60c; M, 85c; L, $1.50.**

Marie Lemoine. Delicate ivory white; solid massive blooms of extra size; very late. **D, 50c; M, 75c.**

M. Dupont. One of the best late white sorts. Flowers very large, cup-shaped, on stiff stems. Clear ivory white, with brilliant carmine border on center petals. A good grower and free bloomer. **D, 75c; M, $1.00.**

Queen Victoria. Guard petals milk white, tinted flesh, center creamy white with crimson spots, large globular flower, on stems of medium height, free bloomer, midseason. **D, 40c; M, 60c.**

Light and Dark Pink and Rose

Albert Crousse. Very large flat, compact bomb; rosy-white flecked crimson. very fragrant, tall free bloomer. Late. **D, $1.00.**

Alexander Dumas. Light violet-rose, of medium size. A creamy-white collar of narrow petals mingled with the white outer petals. A fine cut flower variety and a good producer. Early midseason. **D, 60c; M, 85c.**

Dorchester (Richardson's). A most beautiful soft pink of fine form, dwarf grower. **D, 75c.**

Duchess de Nemours (Guerin). Fine brilliant pink shaded violet, intermixed with white. Very large bloom, and an excellent early cut flower variety. **D, 60c; M, 85c.**

Edulis Superba. Bright mauve pink collar mixed with lilac, fragrant, strong upright stems, free bloomer, early, one of the best commercial pinks. **D,45c; M, 75c**

Etendard du Grand Homme. Very large, showy, brilliant red, bomb type bloom. Late. Tall and fragrant. **D, 75c; M, $1.00.**

Eugene Verdier. Delicate flesh pink, very tall, free and very beautiful. Midseason. **D, 60c.**

Faust. Guard petals and crown pink, fading to lilac-white, collar of narrow sulphur-white petals, midseason. **D, 50c; M, 80c.**

Floral Treasure. Color pale lilac-rose, large and showy midseason, extra good, one of the best commercial blooms. **D, 60c; M, 85c.**

Jules Calot. Large, flat rose type, dark pink, with silvery reflex. Fragrant, strong, medium height; free bloomer. Midseason. Good. **D, 40c; M, 65c.**

Kohinoor. Shell pink, very free, splendid cut flower, midseason. **D, 40c; M, 65c; L, $1.00.**

Lady Leonora Bramwell. Beautiful large rose-colored Peony. Very free. Splendid cut-flower sort. **D, 45c; M, 65c; L, $1.25.**

Livingstone. Very massive solid light pink of the highest class. Rose shape. Free. Vigorous bloomer and very late. **D, $1.00.**

Madame de Galhau. Large and full curved bloom with closely set petals. Soft glossy, flesh-pink, petals bordered silvery-pink. **D, 40c; M, 65c.**

Madam Ducel. Enormous, globular and compact bloom. Literally packed with petals, which are somewhat incurved like chrysanthemums. A brilliant shade of pink with silvery reflex. Holds its form and color to the end. Fragrant, early midseason bloomer. **D, 75c; M, $1.00.**

Madame Emile Galle. Flat, compact, rose-type bloom. Deep lilac-white, changing to milk-white in the center. Tall. Late. **D, $1.00.**

Madame Emile Lemoine. Large globular, compact, semi-rose type. Milk-white. Medium height. **D, $1.50.**

Madame Forel. Immense, compact, ball-shaped bloom. Clear deep rose. Strong stems, very fragrant. Late. **D, 75c; M, $1.25.**

Madame Furtado. Bright violaceous-pink guard, bright salmon-pink center. **D, 60c**

Madame Geissler. One of the largest Peonies, very double globular. Imbricated, massive and imposing. Color: a glossy silvery rose, shading to Bengal rose at base of petals. Delicious fragrance. An abundant midsummer bloomer. One of the best cut-flower sorts. **D, 75c; M, $1.00.**

None of the early Summer Perennials can excel the Peony in beauty of form, color and fragrance. Peonies should be in every garden.

KOHINOOR

Peonies—Continued

Light and Dark Pink, and Rose—Cont.

Marguerite Gerard. Large, compact, semi-rose developing into a crown with stamens. Very pale hydrangea pink, fading to nearly white, central petals flecked dark carmine. A free bloomer. Late. Extra. **D, $1.00.**

Marie Stuart. Medium size crown. Guards and crown pale pink, creamy, white collar. Fragrant. **D, 75c.**

Mathilde Mechin. French pink, mixed with small salmon petals. Bright Anemone ball-shaped flowers of perfect build. Extra fine. **D, 60c.**

Modele de Perfection. Color clear flesh-pink, marked with bright rose and bordered with silvery rose; large guard petals forming high globular buds, with some petals salmon-shaded. Late and very fragrant. **D, 75c; M, $1.00.**

Modeste Guerin. Very large bomb-shape, full and compact. Superb solferino red. Very free-flowering and fragrant. Exceptionally strong rigid stems. Midseason. An extra good variety. **D, 50c; M, 75c.**

Mons. Boucharlet Aine. Large, full, compact, medium light pink. Semi-rose type with silvery reflex. Strong grower and free bloomer. Late midseason. **D, 50c M, 85c.**

Monsieur Jules Elie. Immense globular, very full, double, imbricated bloom on very heavy stems; petalage broad and over-lapping; color, glossy flesh-pink, shading to a deeper rose at the base and the entire blooms covered with a silvery reflex. A vigorous grower, free bloomer, very fragrant. One of the very best pink sorts. **D, $1.00.**

Octavie Demay. Very large, flat, crown. Guards and center pale hydrangea-pink, collar almost white. Fragrant. Very dwarf habit, free bloomer. An exceptionally choice variety. **D, $1.00; M, $1.50.**

Princess Beatrice. Compact high crown, guards and crown light violet-rose, center flecked crimson, collar creamy-white. A strong variety. **D, 40c M, 75c.**

Prolifera Tricolor. Medium size. Guards flesh-white, collar of sulphur-yellow. Narrow ligulated petals, open, pale-rose crown, enclosing a tuft of sulphur-white petals. Fragrant. Late. **D, 50c; M, 75c.**

Pulcherrima. Outside petals flesh, center pink. Very large and borne on long strong stems. **D, 35c; M, 50c; L, $1.25.**

Souvenir de G. Calot. Very large bloom, satiny pink, shaded glossy soft lilac. **D, 60c; M, 85c; L, $1.25.**

Souvenir de l'Exposition Universelle. Large perfect shaped imbricated flower, brilliant cerise, with silvery reflex. **D, 60c; M, 85c.**

Thorbeckii. Deep red pink; of fine form; lighter in center. Medium dwarf habit. **D, 35c; M, 60c.**

Triomphe de l'Exposition de Lille. Large, imbricated flower; soft carnation pink, with white reflex, carmine center; very fresh coloring. **D, 60c; M, 85c.**

Triumphans Gandavensis. Soft salmon pink shading to creamy white with carmine spots, free bloomer, strong grower. **D, 45c; M, 60c; L, $1.00.**

Discount Off List Prices on Peonies

Orders amounting to $5.60 will be $5.00 cash.
Orders amounting to $11.50 will be $10.00 cash.
On orders amounting to $15.00 and over we shall allow a straight cash discount of 15 per cent.

Red and Crimson Sorts

Andre Lauries. Large, very compact, globular rose type. Dark rose, with deeper center, and silvery reflex. Medium tall. **D, 45c; M, 60c; L, $1.00.**

Augustin D'Hour. Large, bomb-shaped flower, dark brilliant solférino-red with slight silvery reflex. Medium tall, very free; midseason. Very fine. **D, 60c; M, 90c.**

Delachei. A very striking Peony. Deep rich amaranth purple with a crimson reflex. Late, fragrant, a strong grower, and a free bloomer. **D, 45c; M, 60c.**

Felix Crousse. Large, compact, and typical bomb-shaped red, dazzling in the brilliancy of its color; it is in fact, the best red Peony. Free midseason blooming and quite fragrant. **D, 75c; M, $1.00.**

General Davoust. Large globular flowers; carmine shaded amaranth. **D, $1.00.**

Gloire de Douai. Large flower of a glowing rich crimson. **D, 60c M, 85c.**

La Grange. This variety appeared with us as a rogue in "Charlemagne" eight years ago. It impressed us as being very desirable on account of its striking red color, heavy stem, and large double flowers, and we have been propagating this variety since then. Everyone who has seen it in our nursery is delighted with it and we can strongly recommend it. **D, 50c; M, 85c.**

L'Eclatante. Very large, compact, bomb. Brilliant red (Tyrian-rose). Medium height; extra strong. Midseason. Very good. **D, 45c.**

Louis Van Houtte. Medium size, semi-rose type. Deep carmine-rose, tipped silver with a brilliant fiery reflex. Medium late. **D, 50c; M, 75; L, $1.25.**

Madame Le Bon. Late; very large; color, brilliant cerise-red with silvery reflex. Extra. **D, 50c; M, 75c.**

Marechal Valliant. (Grandiflora Rubra.) Very large, compact, globular flower. Dark mauve pink; very tall and late. An excellent variety. **D, 75c; M, $1.00.**

Meissonier. Broad outer petals, brilliant purple amaranth, inner petals crimson, free bloomer. **D, 50c; M, 85c.**

M. Barral. Fine pink; very large and double. Strong stem. Late. **D, 75c; M, $1.00.**

M. Krelage. Large, compact, semi-rose type. Dark soferino-red, with silvery tips. Slightly fragrant. Strong, upright, free bloomer. Late. Very desirable. **D, 75c.**

M. Martin Cahuzac. Medium sized, globular, semi-rose type. Dark purple garnet with black reflex. The darkest peony known. Strong, vigorous grower. Free bloomer. Midseason. **D, $5.00.**

Monsieur Paul Du Ribert. Large, medium, loose, bomb type. Uniform deep carmine-rose. Fragrant. Medium height, free bloomer. Late. **D, 60c; M, 85c; L, $1.25.**

Officinalis Rubra Plena. This is the old-fashoned red, the most brilliant of all red Peonies. Early and splendid cut flower. **D, 35c; M, 60c.**

President Roosevelt. Fine full bloom, color very brilliant red. **D, 50c; M, 80c.**

Rubra Triumphans. Large, loose, globular, semi-double flower. Deep crimson. Medium tall, strong grower, early. **D, 50c; M, 85c.**

Unnamed Peonies

Double White, Pink and Red. D, 25c; M, 50c; L, $1.00.

Various Peonies

Single Crimson, Divided Roots, **each 50c.**
Single Pink, Divided Roots, **each 50c.**
Single White, Divided Roots, **each 75c.**
Japanese Tree, 3 year old plants, 3 colors, **each $1.25.**

General List of Perennials—Cont.

		Pkt.
5367	**PAPAVER Nudicaule (Iceland Poppy).** 15in. **Mixed.** Elegant free flowering plants bearing flowers in abundance all summer. *Plants, each* **15c;** *doz.,* **$1.50**	10
5367a	**Yellow.** 5367b **Orange.** 5367c **White.** ¼ oz., **40c**	10
5368	**New Hybrids.** Containing all the charming new colors, which are far in advance of the ordinary Nudicaule	15
5368a	**Double Mixed. Very fine**	15
5369	**Alpinum Laciniatum (Alpine Poppy).** 6 in. A pretty dwarf poppy of various shades of color	15
5371	**Bracteatum.** 3 ft. Scarlet. ¼ oz. **15c**	05
	Orientale (Oriental Poppy). 3 ft. For gorgeous coloring the Oriental Poppies have few rivals among hardy plants. Their brilliant flowers produce magnificent effect in shrubberies, and herbaceous borders, while for cutting they are invaluable.	
5372	**Excelsior.** A wonderful new mixture containing the newer shades introduced recently by hybridizers	15
	Goliath. Vermilion scarlet, immense flowers. *Plants, each* **25c;** *doz.,* **$2.50**	..
	Mahony. Deep maroon **Marie Studholme.** Salmon pink **Mrs. Perry** (New). Orange salmon **Princess Ena.** Orange pink	*Plants, each* **25c.** Per *dozen,* **$2.50.** Per 100, **$20.00.**
5373	**Princess Victoria Louise.** Soft lilac rose. *Each* **25**	10
	Rembrandt. Distinct orange red. *Plants, each* **25c;** *doz.,* **$2.50**	..
	Silver Queen. Silvery white. *Each* **25c;** *doz.,* **$2.50**	..
5373a	**Oriental Hybrids, mixed.** ¼ oz. **30c**	10
5373b	**Oriental Red.** Very striking color. ¼ oz. **30c**	10

For New Varieties, see Page 14

PENTSTEMON (Beard Tongue).

5374	**Digitalis.** 3 ft. Blush white flowers in loose spikes. *Plants, each* **15c;** *doz.,* **$1.50**	05
5375	**Hartwegi.** A new large-flowered strain; all the colors are distinct and showy and include seed from many nemed varieties. If seed is sown before April, plants will bloom same season	25

Perennial Flower Seeds and Plants

PHYSOSTEGIA VIRGINICA

PENTSTEMON (Beard Tongue)—Continued. Per Pkt.

5376 **Hartwegi Albus (White "Newbury Gem").** Pure white..... .25
5377 **Pubescens.** Rosy purple. 5377a **Mixed, all colors.** A choice assortment... .05

PHALARIS. See Grasses.

5377b **PHLOX Decussata (Hardy Phlox).** Finest mixed. Plants, see page 100..... .10

5378 **PHYSALIS Franchetti. (Chinese Lantern Plant.)** 1½ ft. Flowers yellow with dark center. Produces balloon like husks, which turn bright red when ripe and resemble Chinese paper lanterns..... .10

PHYSOSTEGIA (False Dragon Head). 3 ft. June to Sept.

5379 **Virginica.** Dense bushes with spikes of delicate pink tubular flowers. *Plants, each* **15c**; *doz.*, **$1.50.** ¼ oz. **25c**..... .05
5380 **Alba.** White. *Plants, each* **15c**; *doz.*, **$1.50.** ¼ oz. **35c**..... .10
Speciosa. Beautiful pink flowers. *Plants, each* **15c**; *doz.*, **$1.50** .....a.. ..

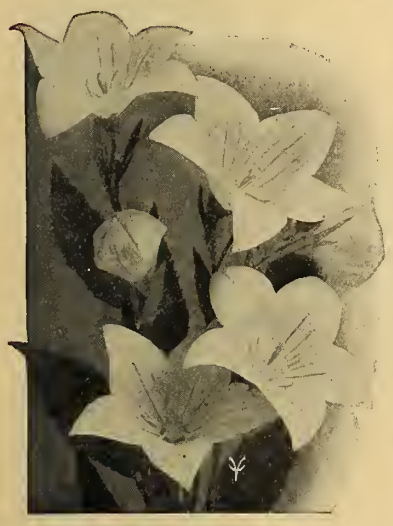
PLATYCODON (Chinese Balloon Flower). 2 ft.
Very handsome border plants of the **Campanula family**, the flowers in bud having the appearance of inflated balloons, they flower from June to Sept.

5381 **Album Plenum.** Double white..... .10
5382 **Coeruleum Plenum.** Double blue..... .10
5383 **Grandiflorum.** Large handsome deep blue flowers.... *Plants, each* **15c**; *doz.*, **$1.50**; 100, **$10.00** ... .05
5384 **Album.** Pure white..... ... .05
5385 **Mariesii.** 1 ft. Deep blue flowers, dwarf. ⅛ oz. **30c**.... ... .10
5386 **Album.** Large white flowers on rigid stems. ⅛ oz. **20c** ... .10

PLUMBAGO Larpentae (Leadwort). 8 in. A pretty Autumn-flowering plant, with clusters of cobalt-blue flowers. *Plants, each* **15c**; *doz.*, **$1.50**..... ..

POLYGONUM (Knot Grass.)

Compactum, 2 ft. Masses of white spikes tinged rose. *Each,* **15c**; *doz.*, **$1.50**.. ..



PLATYCODON

Per Pkt.

Cuspidatum (Japanese Knot Weed.) Vigorous trailing plant, climbing 7 or 8 ft. high. Flowers white. *Plants, each* **15c**; *doz.*, **$1.50** ....

POLEMONIUM (Jacob's Ladder).

5400 **Coeruleum (Greek Valerian).** 2 ft. Beautiful sky-blue spikes. ¼ oz. **25c**... .10
5401 **Grandiflorum Album.** Pure white..... .10

5402 **POTENTILLA (Cinquefoil).** 1 ft.
Formosa. Strawberry-like foliage, with cherry rose colored flowers throughout summer. *Plants, each* **15c**; *doz.*, **$1.50**..... .10
Miss Willmott (New). 1 ft. Single rose pink flowers, blooming throughout the summer. *Plants, each* **25c**; *doz.*, **$2.50**..... ..
5402a **Single mixed,** all colors. ¼ oz. **30c**..... .05
5402b **Double mixed,** all colors. ⅛ oz. **40c**..... .10

POPPY—See Papaver.

PRIMULA (Primrose).

5403 **Auricula.** 6 in. flowers in early spring in colors of yellow, brown and red .10
5404 **Japonica, Mixed.**..... .10
5405 **Lutea Gigantea.** Fine yellow..... .25
5406 **Sieboldii.** A charming primrose, in many shades of color..... .10
5407 **Veris (Elatior).** The pale yellow Oxlip, bearing flowers in umbels..... .10
5408 **Grandiflora.** An extra choice large-flowered mixed strain. *Each,* **15c**; *doz.*, **$1.50**.. .25
5410 **Vulgaris (Common Primrose).** Flowers pale yellow..... .10

5411 **PUERARIA Thunbergiana (Kudzu Vine or Jack-and-the-Bean-Stalk).** 50 ft. Flourishes where nothing else will grow. The large bold leaves of the brightest green afford a dense shade. Its greatest feature is its wonderful, strong growth. *Plants, each* **25c.** (See page 123) ¼ oz. **30c** ..... .05

PYRETHRUM.
One of the most valuable of our early summer flowers. Charming shades of color, and wonderful lasting properties as a cut flower. They flower in May and June, and frequently in August and September the second time; the colors run into almost every shade, which make them foremost of plants in this particular season.

Double Varieties. Per Pkt.
Aphrodite. Pure white, very free and good. *Plants, each* **35c**; *doz.*, **$3.50**.... ..
Lord Rosebery. Intense deep crimson scarlet, free flowering.....
Ne Plus Ultra. Beautiful flesh pink..... *Plants, each* **35c**....
Princess de Metternich. Large full white..... *doz.*, **$3.50** ....
Yvonne Cayeux. White, with central shading of yellow
5412 **Roseum, Double Mixed.** Extra choice, selected seed..... .25

Single Varieties.
James Kelway. Dazzling bright scarlet, very fine. *Plants, each* **35c**; *doz.*, **$3.50**.. ..
5413 **Roseum. Hybridum Grandiflorum. Single Mixed.** *Plants, each* **15c**; *doz.*, **$1.50**..... .15
5414 **New Hybrids.** A choice strain of seed from the originator..... .25
5415 **Uliginosum.** 4. ft. Large giant daisy-like flowers, in great profusion. *Plants, each* **15c**; *doz.*, **$1.50.** ⅛-oz., **30c**..... .10
Stellatum. Larger and better than the preceding. *Plants, each* **25c**; *doz.*, **$2.50** ..

RANUNCULUS Acris. 2½ ft. May-June. A showy border plant, bearing rosettes of double yellow flowers in early summer. *Plants, each* **15c**; *doz.*, **$1.50**... ..
5416 **REHMANNIA Angulata.** 6 in. Flowers like "Incarvillea," in rose and red shades .25
5418 **RHEUM Palmatum Tanguticum.** 7 ft. Extremely ornamental foliage plant with enormous dark bronzy leaves, and tall white flower spikes, followed by followed by scarlet seed pods. ½ oz. **25c**..... .05

PYRETHRUM

Order SEEDS by Numbers; use separate Order Sheet for PLANTS.

Perennial Flower Seeds and Plants

SCABIOSA CAUCASICA

Per Pkt.

5419 **ROMNEYA Coulteri (California Tree Poppy).** 5 ft. Flowers all summer. Beautiful snowy white flowers 4-5 in. in diameter and very fragrant; likes a light, loamy soil and warm aspect. ¼ oz. **40c** ..... .10

5420 **ROSMARINUS Officinalis (Rosemary).** An old garden favorite; fine as single specimens, makes a nice fragrant hedge. *Plants, each* **15c;** *doz.,* **$1.50** ..... .10

RUDBECKIA (Cone Flower).

Somewhat resembling the **Sunflower,** but differing in the central disc of the single flowers protruding in the form of a cone. A highly ornamental Autumn-flowering plant, and much valued for cutting.

5421 **Laciniata.** Large single yellow flowers. ¼-oz. **15c** ..... .05

Laciniata fl. pl., Golden Glow. 6 ft. July-Sept. Rich, yellow double flowers, much prized for cutting. *Plants, each* **15c;** *doz.,* **$1.50** ....

Golden Ray (New). Fine double rich yellow. *Plants, each* **15c;** *doz.,* **$1.50** ....

5421a **Fulgida,** yellow ..... .10

5421b **Large Flowered Yellow** ..... .10

5422 **Newmanii.** 3 ft. Rich golden yellow with central black disc. *Plants, each* **15c;** *doz.,* **$1.50** ..... .10

5423 **Nitida, Autumn Sun.** 6 ft. Rich yellow flowers with large greenish conical disc; very attractive. *Plants, each* **15c;** *doz.,* **$1.50** ..... .25

Purpurea Grandiflora, Syn., **Echinacea Purpurea (Purple Cone Flower).** 3 ft. September; large handsome crimson-purple flowers with dark central disc. *Plants, each* **15c;** *doz.,* **$1.50;** 100, **$10.00** ....

5424 **SALVIA ARGENTEA.** 3 ft. Bold silvery-white foliage, with pyramids of white flowers. ¼-oz. **20c** ..... .05

5425 **Azurea Grandiflora.** 4 ft. Sept-Oct. Stately willow-like growth, spikes of pale blue flowers. *Plants, each* **25c;** *doz.,* **$2.50** ..... .15

Per Pkt

5426 **SALVIA Patens.** 2 ft. Large rich pure blue flowers ..... .10

Pitcheri (Meadow Sage). 3 ft. August to October. One of the finest blue garden plants for brilliancy, far in advance of *Anchusa Italica.* It flowers in the fall right up to the first frost, the flowers coming in regular sheaves of cornflower blue. *Plants, each* **25c;** *doz.,* **$2.50** ....

5427 **Officinalis (Common Sage).** Used for culinary purposes. *Plants, each* **15c;** *doz.,* **$1.50;** 100, **$8.00** ..... .05

Uliginosa. 4 ft. In general habit similar to Salvia Azurea and Pitcheri, but of stronger growth, each plant forming a bushy specimen from 5 to 6 feet high, and of wonderful, free-flowering habit, flowering continuously from June until stopped by severe frost in October. The flowers are of a pretty cornflower blue color with a white throat and are produced in branched spikes frequently six inches long. One of the most desirable introductions of the past season. *Plants, each* **35c;** 3 for **$1.00;** *doz.,* **$3.50** ....

5428 **SANTOLINA Maritima (Incana).** 1 ft. Silvery white fragrant foliage ..... .10

5429 **SAPONARIA Caucasica fl. pl. (Bouncing Bet).** 1 ft. Bluish white flowers. .10

5430 **Ocymoides Splendens.** 6 in. A showy dwarf trailing plant, producing a sheet of vivid crimson flowers. *Plants, each* **15c:** *doz.,* **$1.50:** ¼-oz. **20c** ..... .05

5431 **SCABIOSA Caucasica (Pincushion Flower).** 3 ft. Large pale mauve flowers on long stems; fine for cutting ..... { *Plants, each* **15c** } ⅛-oz. **40c** ..... .10

5432 **Alba.** Flowers white, very beautiful { *doz.,* **$1.50** } ⅛-oz. **40c** ..... .15

5433 **Japonica.** 2 ft. Lavender blue flowers { 100, **$10.00** } ⅛-oz. **40c** ..... .15

SEDUM (Stonecrop).

Charming plants, great diversity of character, much used for edgings, carpet bedding and on rockeries.

Acre. 3 in. May-June. Common yellow stonecrop. *Plants, each* **15c;** *doz.,* **$1.50** .. ..

Brilliant. A bright colored form of 'Spectabile'. *Plants, each* **25c;** *doz.,* **$2.50** .. ..

Sieboldii. 6 in. Sept. Bright pink on small arching stems. *Each,* **25c;** *doz.,* **$2.50** .. ..

SEDUM SPECTABILE

Per Pkt.

Spectabile. 15 in. Aug.-Sept. Robust fleshy-gray foliage with dense flat heads of rosy pink flowers. *Plants, each* **15c;** *doz.,* **$1.50** ....

Atropurpureum. (New) Deep rosy crimson shade. *Plants, each* **25c;** *doz.,* **$2.50** ....

5434 **SENECIO Clivorum.** 4 ft. July-Oct. Large orange yellow flowers with large shining green leaves. Fine for borders, waterside or under trees ..... .10

SILENE (Catchfly). July-Oct.

Useful plants for front row of Herbaceous border, bearing quantities of bright flowers.

5436 **Orientalis.** 8 in. Handsome rosy pink flowers. *Plants, each* **15c;** *doz.,* **$1.50** ..... .05

5438 **Schafta.** 4 in. July-Oct. Bright rose flowers, one of the best Autumn border plants. *Plants, each* **15c;** *doz.,* **$1.50;** ¼-oz. **25c** ..... .15

SOLIDAGO (Golden Rod) American National Flower.

5440 **Canadensis.** 3 ft. Gracefully arched sprays of golden. yellow flowers. *Plants, each* **15c;** *doz.,* **$1.50;** 100, **$10.00;** ¼-oz. **25c** ..... .05

Golden Wings. 1 ft. Dwarf form of above. *Plants, each* **25c;** *doz.,* **$2.50** ..

SPIRAEA (Goat's Beard or Meadow Sweet). June-July.

Filipendula fl. pl. (Double Dropwort). 2 ft. Dwarf cushions of fern-like foliage, with corymbs of double white flowers, useful for cutting. *Plants, each* **25c;** *doz.,* **$2.50** ....

5441 **STACHYS Lanata.** Grown for the effect of its dwarf white woolly foliage; the flower spikes should be removed. ½-oz. **25c** ..... .05

STATICE (Sea Lavender).

Large spreading panicles of light, graceful flowers, of the "everlasting" nature, much prized for winter decoration. Cut in the fall.

5443 **Latifolia.** 2 ft. Dense branching plumes of deep blue flowers. *Plants, each* **15c;** *doz.,* **$1.50;** ¼-oz. **35c** ..... .10

5444 **STOKESIA Cyanea (Stokes' Aster).** 18 in. July-Oct. Flowers rich blue, like a giant cornflower, very distinct. *Plants, each* **15c;** *doz.,* **$1.50;** ⅛-oz. **25c** ..... .10

5445 **Alba.** The white companion of the preceding. *Plants, each* **15c;** *doz;,* **$1.50** ..... .10

STATICE LATIFOLIA

Order SEEDS by numbers; use separate order sheet for PLANTS.

Perennial Flower Seeds and Plants

Per Pkt

TARRAGON, True German. Used for cooking purposes. Ordinary roots, *Plants, each* **15c**; *doz.*, **$1.50.** Larger clumps. *Plants, each* **25c**; *doz.*, **$2.50**.....

THALICTRUM (Meadow Rue.)

5447 **Adiantifolium.** 9 in. June-July. Finely cut maiden-hair-like foliage, with light plumes of small whitish flowers. *Plants, each,* **15c**; *doz.*, **$1.50.** ⅛ oz., **40c** .10

5448 **Dipterocarpum (New).** 4-5 ft. A new introduction from China. Very graceful plumes of rosy purple flowers and conspicuous yellow anthers. A graceful decorative cut-flower. *Plants, each* **50c**; 3 for **$1.40**; *doz.*, **$5.00**..... .25

5449 **THERMOPSIS Caroliniana.** 3 ft. June. Clover-like foliage with spikes of pea-shaped yellow flowers. ¼ oz., **40c**..... .10

5450 **THYMUS Vulgaris. (Common Thyme).** For seasoning. *Plants, each* **15c**; *doz.*, **$1.50**..... .05

TRADESCANTIA Virginica (Spiderwort). 2 ft. July-Aug. A fine old hardy plant, with bright blue three-petaled flowers. *Plants, each* **15c**; *doz.*, **$1.50**.... ..

Alba. Pure white..... } *Plants, each* **20c**; *doz.*, **$2.00**.....
Rubra. Brilliant rose.. }

TRILLIUM Grandiflorum (Wake Robin). 12 in. May-June. Large snowy-white flowers; one of the best of our native plants. *Plants, each* **10c**; *doz.*, **$1.00**; 100, **$6.00**.....

TRITOMA (Torch Lily, Flame Flower, Red Hot Poker).

Very handsome and showy border plants. Flowers borne in compact form on stout 3 and 4-foot stems, having the appearance at a distance of orange and red colored spear heads. Require protection during winter, unless in a very sheltered position.

Pfitzeri (Everblooming Flame Flower). 3 ft. Aug.-Nov. Bright orange scarlet. *Plants, each* **15c**; *doz.*, **$1.50**; 100, **$10.00**..... ..

5452 **Uvaria Grandiflora.** 4 ft. Aug.-Nov. The ordinary red-flowered Tritoma. Very ornamental. *Plants, each* **15c**; *doz.*, **$1.50**..... .10

VERONICA SUBSESSILIS

THALICTRUM DIPTEROCARPUM

TROLLIUS (Globe Flower).

Asiaticus fl. pl. Croceo. 18 in. May-June. Beautiful dark orange flowers. Very desirable for semi-shade. *Plants, each* **25c**; *doz.*, **$2.50**..... Per Pkt. ..

5453 **Caucasicus "Orange Globe."** 3 ft. May-June. Large globular flowers of a rich deep orange yellow. *Plants, each* **25c**; *doz.*, **$2.50**..... .10

5454 **Europaeus Grandiflora.** 2½ ft. May-June. Soft yellow flowers..... .10

Japonicus "Excelsior". 2½ ft. May-June. Fine rich orange flowers. *Plants, each* **25c**; *doz.*, **$2.50**..... ..

TUNICA Saxifraga Splendens. 8 in. Flowers all summer. A pretty dwarf plant covered with myriads of tiny pink flowers. *Plants, each* **20c**; *doz.*, **$2.00**.... ..

VALERIANA (Garden Heliotrope).

Officinalis. 3 ft. June-July. Large trusses of pale pink flowers. *Plants, each* **15c**; *doz.*, **$1.50**..... ..

5458 **Rubra.** Sweet scented red flowers. ¼ oz., **15c**..... .10

5459 **Alba.** Pure white flowers. ¼ oz., **15c**..... .10

5460 **VERBASCUM Olympicum.** 2 ft. June to Sept. Pyramidal spikes of small golden yellow flowers, with large silvery gray foliage..... .10

5461 **VERONICA (Speedwell).**

Longifolia Subsessilis. 2 ft. Aug. One of the finest Autumn blue flowers, handsome heads of rich violet blue. *Plants, each* **25c**; *doz.*, **$2.50**..... ..

5462 **Spicata.** 2 ft. July-Aug. Small spikes of rich blue flowers. *Plants, each* **15c**; *doz.*, **$1.50**..... .10

Rosea. 2 ft. Grand rosy pink flowers; the best of the Spicata type. *Plants, each* **15c**; *doz.*, **$1.50**..... ..

Compacta. Produces pretty pale blue flowers. *Plants, each* **15c**; *doz.*, **$1.50**.. Per Pkt. ..

VINCA (Periwinkle, Green Myrtle). 4 in. June.

Valuable for rockeries or makes a grand evergreen carpet under and about shrubs and trees.

Minor. Green foliage, large blue flowers. *Plants, each* **15c**; *doz.*, **$1.50**..... ..

Argentea Variegata. Silver variegated foliage and blue flowers, much used for baskets and porch boxes. *Plants, each* **20c**; *doz.*, **$2.00**..... ..

VIOLA Cornuta (Tufted Pansies). 3-6 in.

Flower all summer, from seed sown in early spring, and are valuable for edging beds and borders Require protection during winter.

5464 **Admiration.** Rich violet blue flowers. ⅛ oz. **25c**..... .10

5465 **Blue Perfection.** Charming shade of pale blue flowers. ⅛ **oz. 25c**..... .10

5466 **Lutea Splendens.** Bright yellow, makes an effective border. ⅛ **oz. 25c**..... .10

5467 **Mrs. G. Wermig.** Large rich violet-blue flowers; very fine..... .15

5468 **Thuringia.** Dark blue flowers with white eye..... .15

5469 **Vaughan's Improved Scotch Pansies.** This new strain produces flowers with faces, the colors range from pale lavender to deep rich purple, many charming intermediate shades..... .25

5470 **Cornuta Mixed.** ¼ oz., **30c**..... .05

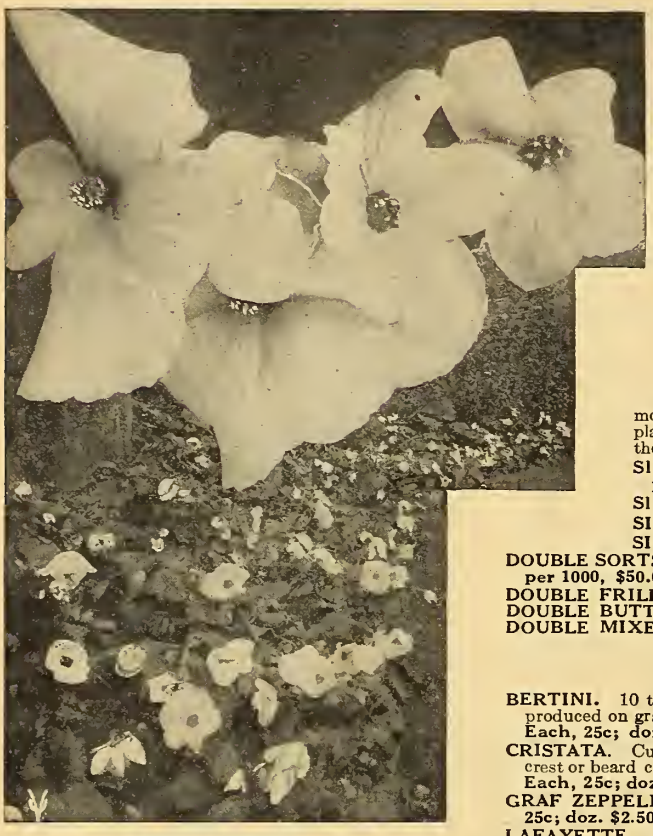
VIOLET (Viola Odorata). 6 in. May-June. The true, hardy, double deep purple English Violet. *Plants, each* **20c**; *doz.*, **$2.00** ....

5471 **Single Violet.** Deep blue..... .10

5472 **YUCCA Filamentosa (Adam's Needle).** 5 ft. June-July. Handsome, creamy white flowers, much branched and densely packed with bloom, while the sword-like foliage is very ornamental; makes a handsome lawn specimen. *Plants,* 2 yr., *each* **15c**; 3 yr., **25c**; 4 yr., **50c**; 5 yr., **$1.00.** 100, 2 yr., **$10.00**; 3 yr., **$15.00.** .10

YUCCA FILAMENTOSA

Flower Bulbs for Summer



SINGLE BEGONIAS

Why Vaughan's Bulbs are Popular

These roots are matured so their flowering is certain. They often succeed when seedlings and tender plants fail.

Our popular Cannas have made Chicago Parks flower beds famous.

Our Caladiums make a tropical display.

Vaughan's Gladiolus are seen in midsummer in thousands of vase displays, hotels, restaurants and private homes. Select our named kinds or mixtures for your garden and you will astonish your guests at every dinner party from July to October.

TUBEROUS-ROOTED BEGONIAS

Unexcelled for summer bedding, such as lawn beds and borders. They should be grown more extensively than they now are, for they require no more care than ordinary bedding plants. They will thrive either in full sunshine or partial shade, but when fully exposed to the sun the beds must be kept moist.

SINGLE SORTS, White, Scarlet, Yellow, Pink. Each, 5c; 4 for 20c; doz., 50c; per 100, $3.50; per 1000, $30.00.

SINGLE FRILLED. Each 10c; doz., $1.00; per 100, $7.00.

SINGLE BUTTERFLY. Each, 12c; doz., $1.25; per 100, $8.00.

SINGLE MIXED COLORS. Doz., 45c; per 100, $3.25; per 1000, $27.00.

DOUBLE SORTS. White, Scarlet, Yellow, Pink. Each 10c; 4 for 35c; doz., $1.00; per 100, $6.00; per 1000, $50.00.

DOUBLE FRILLED. Each, 14c; doz., $1.40; per 100, $9.00.

DOUBLE BUTTERFLY. Each, 14c; doz., $1.40; per 100, $9.00.

DOUBLE MIXED COLORS. Doz., 75c; per 100, $5.00; per 1000, $40.00.

NEW FREE-FLOWERING TUBEROUS BEGONIAS

BERTINI. 10 to 12 inches high; single flowering; elongated petals, vermillion color. The flowers are produced on graceful stems well above the foliage, and for brilliancy of color cannot be surpassed. **Each, 25c; doz. $2.50; per 100, $20.00.**

CRISTATA. Curious strain of Single Begonias with flowers of good size, bearing on each petal a crest or beard composed of curiously twisted threads which give flowers an interesting appearance. **Each, 25c; doz. $2.50; per 100, $20.00.**

GRAF ZEPPELIN. Of dwarf habit, 6 to 8 inches in height. Double flowers of rich scarlet. **Each, 25c; doz. $2.50; per 100, $20.00.**

LAFAYETTE. A splendid bedding variety. Flowers are of a most brilliant fiery scarlet, double and borne upright on their stalks. One of the best for bedding, as it blooms all summer. **Each, 25c; per doz. $2.50; 100, $20.00.**

AMARYLLIS

Very popular for house culture and easily grown by everyone, the chief point being to give the bulbs alternate periods of rest and growth. When the leaves appear give water and plenty of light; after flowers are off and leaves have started to turn yellow, withhold water and put pot away from light. Do not start growth again until bulb shows signs of life itself (even when soil is perfectly dry) by pushing out new leaves.

(Exp.)—Express at buyer's expense. **Price 'each' includes postage. Mailing weight, per doz. 6 lbs. Add postage at zone rates.**

Belladonna Major. Fine variety for fall blooming, very free flowering and fragrant. Flowers which are a lovely shell pink color, are borne on stems 2 to 2½ feet high. **Each, 20c; per dozen, $2.00; per 100, $15.00.**

Formosissima. One of the most popular of the Amaryllis family. Flowers are of a beautiful dark scarlet, strangely marked. Planted outdoors after danger of frost is over, will bloom during the summer. **Large Bulbs, each, 10c; 3 for 25c; doz. $1.00; per 100, $7.00, (exp.)**

Kerr's Hybrids. This is a magnificent new English strain far in away ahead of anything previously offered. The stems are usually from 2 to 3 ft. high, often carrying 3 immense blooms, the colors of which are amazing. There are whites, white striped pink and crimson, brilliant scarlet, crimson, beautiful pinks, and other delicate shades that language fails us in describing. A quantity of these was grown at our greenhouses the past year, and blooms exhibited at our store from time to time attracted much attention and called forth praisworthy comments. **Each, 75c; doz., $7.50.**

Johnsoni. Has immense trumpet-shaped flowers, which measure 6 to 8 inches, across, are borne on strong, fleshy spikes, and are of rich, deep velvety crimson, each petal having a broad white stripe, contrasting beautifully with the deep red color. **Large Bulbs, each, 25c; 3 for 70c; doz. $2.60; per 100, $20.00. Mammoth Bulbs, each, 40c; 3 for $1.15; doz. $4.50; per 100, $30.00; (exp.)**

Vittata Hybrids. These are unnamed seedlings, secured from that famous hybridizer, Luther Burbank. The flowers are exceedingly rich in color and markings, spikes are usually from 2 to 3 feet in height, bearing from 3 to 5 enormous trumpet-shaped flowers. **Each, 50c; doz. $5.50; per 100, $40.00, (Exp.)**

CALADIUM ESCULENTUM

(ELEPHANT'S EAR)

One of the most effective and easily grown foliage plants for the lawn or border. Can be used with good effect as a border for tall-growing Cannas when edged with Coleus or other low-growing foliage plants. Will thrive in any ordinary garden soil, but to get the best results plant in rich soil and give plenty of water.

FIRST SIZE BULBS. 5 to 7 in. circumference. **Each, 5c; doz. 50c; per 100, $4.00; per 1000, $35.00; postage 3c each.**

SELECT SIZE BULBS. 7 to 9 in. circumference, **Each, 10c; doz. $1.00; per 100, $5.00; per 1000, $45.00; postage 5c each.**

EXTRA LARGE BULBS. 9 to 11 in. circumference. **Each, 15c; doz. $1.50; per 100, $10.00; per 1000, $85.00; postage 8c each.**

MAMMOTH SIZE. 12 in. and up circumference. **Each 20c; doz. $2.00; per 100, $16.00; postage 12c each.**

CALLAS

Elliotiana. Flowers are of a rich golden yellow, often measuring from 4 to 5 inches across. Foliage is the same as that of the well-known Spotted Calla—deep green, with white spots. **Each 25c; doz. $2.50; per 100, $20.00.** Wt. doz., 2 lbs.

Spotted Leaf. Similar to the well-known White Calla, but having its glossy, dark, rich green foliage marked and dotted with numerous white spots. The flowers are white with dark throat. **Each 10c; doz. $1.00; per 100 $6.00.** Wt. doz., 3 lbs.

APIOS TUBEROSA Splendid hardy climber that is not well enough known. Will grow to a height of 8 to 10 feet, vine and foliage resembling a miniature Wistaria; are very fragrant and of a deep purple color. **Each, 5c; per doz. 50c, postpaid; per 100, $3.00, (exp.)**

CINNAMON VINE Well-known hardy climber; quick grower, with beautiful glossy heart-shaped leaves and sweet-scented flowers. Vines will run 25 to 40 feet in one season. **Large Roots, each 10c; 3 for 25c; doz. $1.00; per 100, $6.00.**

CHLIDANTHUS FRAGRANS Of free flowering habit, with beautiful lemon flowers; very fragrant, being a combination between the Lilac and Tuberose. **Each, 10c; 3 for 25c; doz. 90c; 100, $6.00.**

AMARYLLIS—Kerr's New Hybrids

Tuberoses

MEXICAN TUBEROSE

One of the best known and most easily grown summer flowering bulbs. Easily recognized by its exquisite fragrance and beautiful flower spikes which are borne on long stems, making it an admirable cut-flower for house decoration. If started in pots and then transplanted to open ground can be had much earlier. Handling as we do a million of these each season, mainly for our wholesale and export buyers, enables us to select the **choicest bulbs** which the market produces for our trade.

EXCELSIOR DWARF PEARL—Mammoth

Our Mammoth Excelsior Dwarf Pearl is a special selection made for many years of the most dwarf, double and full flowered spikes and is exceptionally sturdy and dwarf in habit. This "Mammoth strain" is positively the highest type of the Tuberose. The kind to grow if you desire "prize" blooms.

MAMMOTH BULBS. Each 7c, 4 for 25c; doz. 65c, postpaid; by express, each 5c; doz. 50c; per 100, $3.00; per 1,000, $25.00.

FIRST SIZE BULBS. 3 for 15c; doz. 50c, postpaid; by express, 3 for 12c; doz. 35c; per 100, $2.00; per 1,000, $15.00.

SECOND SIZE BULBS. All-flowering; often sold by so-called "bargain-stores" under the name "first-class." **6 for 15c; doz. 25c, postpaid; by express, 6 for 12c; doz. 20c; per 100, $1.00; per 1,000, $8.00.**

ARMSTRONG'S EVER-BLOOMING. This variety blooms year after year and produces single pure white flowers of a fragrance similar to that of the "Jasmine." It makes a splendid cut-flower and should be in everyone's garden. **Each 7c; 4 for 25c; doz. 60c, postpaid; per 100, $3.50, by express.**

SILVER-LEAVED. This is an early single kind, with striped leaves, making a grand show on account of its striking foliage. **Each 5c; doz. 50c, postpaid; per 100, $3.00, by express.**

ALBINO. New branching single variety blooming much earlier than the old single variety, fine for cut-flowers. **Each 5c; doz. 50c, postpaid; per 100, $3.00, by express.**

TUBEROSE—EXCELSIOR PEARL

THE MEXICAN EVER-BLOOMING SINGLE TUBEROSE

These come from the high table land of Central Mexico. They have tall, stiff stems, flowers pure white, single, delightfully fragrant. They withstand all kinds of wind and weather except hard frosts, commence to bloom in May and are a mass of white till cut down by frost. They never blight, and the smallest bulb blooms the first season, generally sending up from 5 to 15 flowers stalks. If the stalk is cut when the first flower opens and put in water, the flowers increase in size and whiteness, and keep for a week or ten days. **Each 10c; doz. 75c; per 100, $4.00.**

GLOXINIA—New Giant Flowering Hybrids

Beautiful tuberous rooted plants of dwarf habit and one of the most useful pot plants for indoor culture. Flowers are trumpet shaped, borne erect above the leaves and of exceedingly rich coloring and marking, ranging from deep scarlet to violet blue.

Use part leaf mold and sand in potting, as they like a light soil. Be careful in watering so as not to wet the leaves, otherwise they will spot and the plant will lose part of its beauty.

EMPEROR FREDERICK. Red, with a pure white border.
MONT BLANC. Pure white. **DEFIANCE.** Rich crimson-scarlet.
EMPEROR WILLIAM. Violet-blue, with white throat tinged and spotted; beautifully streaked and spotted.

Each 10c; 3 for 25c; doz. $1.00, prepaid; per 100, $8.00. Mixed colors, each 9c; 3 for 25c; doz. 80c, prepaid; per 100, $6.00.

HYACINTHUS CANDICANS (Summer Hyacinth)

Splendid bulb for planting in the perennia border, being perfecty hardy and of vigorous growth. Flowers are pure white and pendulous, borne on stalks four feet high. Plant in rear on account of tall growth. Large bulbs. **Each 5c; 3 for 12c; doz. 45c, postpaid; by express, 100 for $3.00.**

TIGRIDIA (Shell Flower)

Curious and beautiful shell-like flowess about four inches in diameter, flowering from July to October. The bulbs can be planted about the middle of May and taken up in October and kept over winter in dry sand.

NAMED VARIETIES. Each 6c; doz. 60c, postpaid; per 1.00, $4.00, by express.
MIXED VARIETIES. Each 5c; doz. 50c, postpaid; per 100, $3.50, by express.

ZEPHYRANTHUS

One of the prettiest and most easily grown bulbs for pot culture. Plant three or four bulbs in a five or six-inch pot. Treat in garden same as Gladiolus.

ROSEA. Beautiful clear rose; flowers large and very handsome; blooms all summer. **Each 10c; 3 for 25c; doz. $1.00, postpaid; per 100, $6.00; per 1,000, $50.00.**
CANDIA. Pure white and the most profuse bloomer of all. **Each 6c; 3 for 15c; doz. 60c, postpaid; per 100, $4.00; per 1,000, $30.00.**

IPOMOEA PANICULATA

(Mexican Morning Glory) Color satiny lustrous carmine rose.

The vine grows 25 feet long and the leaves are 10 inches apart, with a cluster of flowers at each leaf. The root, like the Dahlia, is of hardier substance, increasing in size from year to year. The woody fibre never rots and can be kept like Dahlia roots in an ordinary cellar. Plant one and its free flowering and style of growth will make it your delight and the envy of your neighborhood.

FIRST SIZE ROOTS—Each 25c; doz. $2.50;
EXTRA SIZE ROOTS—Each 35c; doz. $3.50.

IPOMOEA PANDURATA (Hardy Moon Vine)

Rapid growing climber, absolutely hardy, thriving in almost any soil. Flowers are abundant, pure white with purple throat; foliage is luxuriant. One of the best climbers for northern latitudes.

FIRST SIZE ROOTS—Postpaid, each 15c, doz. $1.50.
EXTRA SIZE ROOTS—By express, each, 25c; doz. $2.50.

We are Gladiolus growers and specialists. See pages 106, 107 and 108 for the best named kinds and finest mixtures of these best-of-all summer-flowering bulbs.

ISMENE CALATHINA

This curious plant throws up its flower spikes as soon as growth commences and before the leaves appear. Flowers are pure white, borne three or four on a stem and are very fragrant. Not hardy. Treat bulb same as Gladiolus. **Each, 10c; 3 for 25c; doz. $1.00; per 100, $6.00.**

MADEIRA VINE

One of the best and most popular climbers, not for the flower, which is insignificant, but for its leaves, which are small, dark green and very dense. Vine is of slender growth and will succeed in any location, doing best, however, in a sunny sheltered place. Not hardy and roots should be taken up in fall. Strong tubers. Large roots.

Each 5c; 3 for 12c; doz. 40c; postpaid; 100 for $2.50; per 1,000, $20.00.

MONTBRETIA

One of the brightest and best of Summer flowering bulbs. Plant in clumps of six to twelve bulbs in May or June. They greatly resemble the Gladiolus in growth and produce beautiful spikes of star shaped flowers in various shades of orange, yellow and red.

Mixed varieties, **3 for 10c; doz. 30c; 100 for $2.00, postpaid; per 1,000, $15.00.**

SUMMER FLOWERING OXALIS

These useful little plants are very effective in masses or beds and are particularly valuable for edgings. They produce an unbroken row of foliage about one foot high and a continuous show of bloom. Pure white, pink or red. Either color, **doz. 15c; 100 for 75c, postpaid; per 1,000, $6.00.**

GLOXINIA

Vaughan's Gladiolus Specialties

Home Grown—Sure to Flower

Gladiolus are the most attractive and useful for cut flowers of all the summer-flowering bulbs. They will flower hy July hecause their sturdy growth is assured from the stored-up strength in the hulhs.

By selecting special soils and fertilizers we produce sound healthy roots.

As we grade them, all of the four largest grades, A, B, C and D are sure bloomers.

This flower has increased in popularity wonderfully during 1915. We distributed by mail last spring over 185,000 hulblets with great satisfaction.

By importations and with best American seedlings we have now a remarkable Gladiolus collection. For two months our summer counter display of named blooms has heen greatly admired as have our exhihits at Garden Cluh Shows.

A succession of hloom may he had from July to October by making plantings from April to June, ten days apart.

Our prepaid prices are very low, having lowest zone rates out of hoth New York and Chicago. We get in third zone and helow a radius of three hundred miles on every side of both cities.

MRS. W. S. BREWSTER (New 1915)

A new Nanceianus seedling, and one of the hest of this fine type. The color is white, overlaid blush, hlotched hrilliant red with a creamy halo; the whole forming a most pleasing hlend entirely distinct and unique. The flowers are large, produced in a douhle row with six open at a time all facing one way in a shapely compact spike. It is an early flower, 4 feet. Good keeper. **Each 40c; doz. $4.00.**

MARY BLACKMAN (New 1915)

Named in honor of the noted Blackman family of Indiana Florists.

Nanceianus variety of large size and fine quality. Flowers a heautiful shade of salmony red; the lower petals finely feathered and penciled at the hase with carmine on a rich golden yellow. A very decorative variety lasting a long time when cut. **Each, 25c; doz. $2.50.**

PRIMULINUS "SUNBEAM"

One of the first varieties of Primulinus hlood in America to receive a name. This variety, which we introduced in 1914 for the first time, is a cross of select yellows from the Primulinus Mixture, with the variety Sulphur King. The graceful form of all of the Primulinus type insures their popularity in our hest Decorative Class. It has a clear yellow color and is a strong grower. **Each 25c; doz. $2.50; per 100 $20.00.**

ALICE MARTIN (New 1916)

This Ragot (French) hyhrid like its parent class produces a grand stalk nearly 5 feet tall with very large flower spike. The individual flowers are broad, full and open, the general color is white suffused toward center with purple lilac, back of petals striped and veined. **Each $1.00; doz. $10.00.**

MARGARET

A brilliant carmine, with a large white blotch on the lower petals, the white and carmine hlending into a violet tint. The spike is straight and strong, never twisted or deformed. The flowers are large, heautifully arched and 6 to 8 are open at one time. They are arranged in two rows, facing the same way, and set without crowding. A good cut flower; if cut when the first flowers open, is usahle for ten days. **Each 20c; doz. $2.00; per 100 $15.00**

MRS. FRANK PENDLETON

One of the most exquisitely colored and formed Gladiolus in our entire list. In addition, the size of bloom is not exceeded hy any other. The color is a delicately flushed salmon pink, the color extending to the reverse side of the petal as well as in the center. The hlooms are wide open and are arranged individually on the very slender but wiry stems. Each flower is douhly enhanced hy a rich maroon blotch on the three lower petals. **Each 20c; doz. $2.00; per 100 $12.00.**

BLEUATRE.—Lilac hlue with carmine blotch on lower petals. **Each 30c; doz. $3.25.**

BOUQUET d'OR.—Cream yellow suffused pink with deep cherry red and yellow hlotch. **Each 25c; doz. $2.50**

CARMELITE.—Slate color overlaid with salmon, white stripe on petals, white hlotch. **Each 25c; doz. $2.50.**

CHAS. L. HUTCHINSON.—A valuahle addition to the Princeps class, in height and size of flowers equal to the original. The color of the flowers is a rich hlood red, the middle rih of each petal being a shade deeper and the color is intensified hy the warm velvety lustre. Free flowering and lasting. **Each 50c; doz. $5.00.**

CHICAGO SALMON (New).—Clear salmon, light huff and carmine marking in throat. **Each 15c; doz. $1.50; per 100 $12.00.**

EPICURE.—Fine plant of dwarf habit. Enormous, well opened flowers, white slightly streaked lilac. On the lower petals a dark lilac blotch. Very fresh color. **Each 25c; doz. $2.50.**

KOENIGIN WILHELMINA.—Clear salmon pink, cherry red hlotch, edged white. **Each 15c; doz. $1.50.**

L'INNOCENCE.—Delicate hlush suffused rose, yellow hlotch with faint carmine stripes. **Each 25c; doz. $2.50.**

MRS. W. E. FRYER.—Bright scarlet. **Each 30c; doz. $3.25.**

MENTOR.—Slate color with a rosy hue, red blotch on white ground. **Each 50c; doz. $5.00.**

MASTODON.—Deep crimson with white markings in throat, white stripe on four lower petals. **Each $1.00; doz. $10.00.**

MERCEDES.—Very large flowers carmine rose at edge of sepals, the centre heing a very pale rosy-white. A fine crimson red hlotch edged yellow. **Each 30c; doz. $3.25.**

MYRTLE.—Tender and delicate rose pink. "The most heautiful pink yet produced in gladiolus." Brings highest price of any variety in the Chicago market. **Each 25c; doz. $2.50.**

NIAGARA.—In color the flowers are a delightful cream shade with the two lower petals or segments blending to canary yellow. The throat is splashed with carmine, and the lower ends of the outside petals are also hlushed with carmine. **Each 10c; doz. 85c; per 100 $6.00.**

NEGERFURST.—Dark velvety red with black spots flamed with white and flaked lilac-rose. **Each 50c; doz. $5.00.**

ORANGE GLORY.—Bright orange with slight purple and white markings in throat. **Each 60c; doz. $6.00.**

PANAMA.—A new seedling of "America" which resemhles the parent variety in every way except that it is a much deeper pink. A grand variety which evokes words of praise wherever exhihited. Spike very long with flowers large and well arranged. **Each, 10c; doz. $1.00; per 100 $7.00.**

PRIMULINUS MAJOR HYBRIDUS.—The range of colors is very remarkahle, from the purest and lightest of yellows down to the deepest orange and from the softest shade of salmon pink down to a rich crimson. On account of their slender and graceful habit, delicate colors and peculiar shape of the flowers we helieve these new Hyhrids will he appreciated for in-door decorations. **Each 10c; doz. $1.00; per 100. $7.00.**

RUFFLED GLORY. With "Ruffled" Petals—Delicate pink, with crimson stripe in the center of each lower petal. The broadly expanded, wide open, paired flowers, all face in the same direction and are carried on straight, stout stalks, fully 3½ feet. Each petal is exquisitely ruffled. **Each 8c; doz. 75c; per 100 $5.00.**

ROSEA SUPERBA.—Light blush pink, deep carmine hlotch with huff shadings. **Each 10c; doz. $1.00; per 100 $7.00.**

SAFRANO.—Cream color, slightly veined lilac. Canary and carmine hlotch; edges slightly frilled. **Each 35c; doz. $3.50.**

SPHINX.—Very tall plant; long spike of pure lilac red flowers, with a small purplish-red hlotch and a white hand on the lower petals. **Each 30c; doz. $3.25.**

SCHWABEN.—A variety of extreme vigor, many of the hulhs producing two or three flowering stalks which very often produce side hranches hesides. The stalk produces ahout 20 very large flowers, 6 to 8 usually open at one time. The color is the hest of clear Canary yellow, shading to a soft sulphury yellow when opening. **Each 40c; doz. $4.00.**

TRIOMPHE DE PARIS.—Large flowers, creamy white slightly striped with lilac. Small carmine hlotch shaded golden yellow. Very fine variety having a profusion of flowers all around the spike forming a hoquet. **Each 35c; doz. $3.50.**

WHITE GLORY (Ruffled).—As tall and vigorous as Ruffled Glory, with darker foliage. The ground color is a clear solid white and the lower petals have a distinct Iris Blue marking of same form where Ruffled glory is marked with red. The general appearance is very Iris like. An extraordinary striking variety. Very tall, vigorous and showy. **Each 60c; doz. $6.00.**

ILLINOIS STATE FAIR COLLECTION.—This is an entirely new collection offered for the first time last year. It represents the varieties of Gladiolus that we had on exhihition at the State Fair in addition to other varieties of merit. They are all large flowering and a good range of colors, which we are sure will please. **12 bulbs postpaid, $1.00; 25 bulbs by express, $1.75; 50 bulbs by express, $3.25.**

VAUGHAN'S ORCHID GLADIOLUS.—"Orchid Flowered." These are mostly blotched purple and white blue or lilac and white, often of hooded type. Very effective for decoi ative display. **Each 15c; 3 for 40c; doz. $1.50.**

MRS. WALTER S. BREWSTER

HYDE PARK

MARGARET

SCHWABEN

MRS. FRANCIS KING

The Leading Decorative Gladiolus for the Trade

This has become the most popular and effective variety for window, store and hotel decorations. The long, strong flower stalks with foliage, its effective flower spike with a good line of reserve buds continually opening, with flower 4½ inches across, five to six flowers well spread out on the spike at the same time, its brilliant vermilion scarlet color gives, for vases, in hotel lobbies and dining rooms, parlor decorations, etc., an effect not produced by any other.

Large Bulbs, each 5c, doz. 35c, postpaid; per 100, $1.75; per 1000, $15.00
Medium Size, 4 for 10c; doz., 25c, postpaid; per 100, $1.50; per 1000, $12.00

	Each	Doz.	100
ADMIRAL CERVERA. Slaty-rose, striped and edged violet, creamy-white blotch	$0.15	$1.50	$11.00
ALINE. Pure white, slightly striped crimson	.20	2.00	15.00
AMERICA. Soft lavender pink	.05	.35	1.75
AMERIQUE. Compact, well shaped spike with large, well expanded flowers, cinnabar-red, striped red-brown	.15	1.50	10.00
ANNIE WIGMAN. Pale yellow, dark blotch	.10	.75	5.00
ARISTOPHANES. Pure salmony-rose, white band in the center of each petal and straw-colored blotch	.20	2.00	15.00
ASTARTE. Pale rosy lilac, streaked with rose	.10	1.00	7.00
ATTRACTION. Deep rich crimson, with large white center and throat	.05	.50	3.00
AUGUSTA. Pure white, blue anthers	.05	.30	1.75
BADENIA. A true lavender in color, not too blue; its flowers are large, well expanded, and many open upon the stem at one time	.75	8.00	.....
BARON J. HULOT. Dark velvety purple	.05	.50	3.50
BLANCHE. Pure white, with very faint markings	.20	2.00	15.00
BRENCHLEYENSIS. Intense fiery scarlet	.03	.35	2.00
BRILLIANT. Orange red, carmine and white throat	.10	1.00	6.00
CANARY BIRD. Clear canary yellow	.12	1.25	8.00
CANICULE. Clear scarlet red, creamy-white blotch on lower petals	.20	2.00	15.00
CARDINAL. Clear intense scarlet	.20	2.00	15.00
CARNATION. Fleshy-white tinged at the edges with carmine	.10	1.00	6.00
CERES. White, spotted with purplish rose	.05	.40	3.00
CHICAGO WHITE. White, lavender marking in throat	.10	.75	5.00
CHRYSOLORA. Golden-yellow	.10	1.00	6.00
COLUMBIA. Orange-scarlet, blotched and penciled with bluish purple	.06	.60	4.00
CONTRAST. Large scarlet with white center	.45	4.50	35.00
DAWN. Beautiful shell pink	.25	2.50	20.00
DAZZLER. Magnificent large Princeps-like flowers of vivid salmon-scarlet with throat blotch of red-orange on lower petals, furthcr ornamented with carmine-lake flakes; fine long spikes well-filled	.30	3.25	.....
DESDEMONE. Ashy-rose striped lilac; large dark red blotch, edged Ivory-white. Immense spike of double-row flowers well placed	.30	3.25	.....
DEUIL DE ST. PIERRE. Ashy-rose, striped and suffused with violet purplish-red blotch	.15	1.50	10.00
ELAINE. Bright cherry-red, slightly striped with creamy-white on lower petals	.30	3.25	.....
ELIZABETH KURZ. Pure white with faint marking	.15	1.50	10.00
EMMA THURSBY. White, striped and blotched	.25	.60	4.00
ENCHANTRESS Blush white, slightly flaked with lake-pink toward the margins; throat encircled on the lower petals with carmine-lake blotch	.30	3.25	.....
EUGENE SCRIBE. Tender rose, blazed carmine red	.10	.75	5.00
EUROPE. Pure white	.40	4.00	30.00

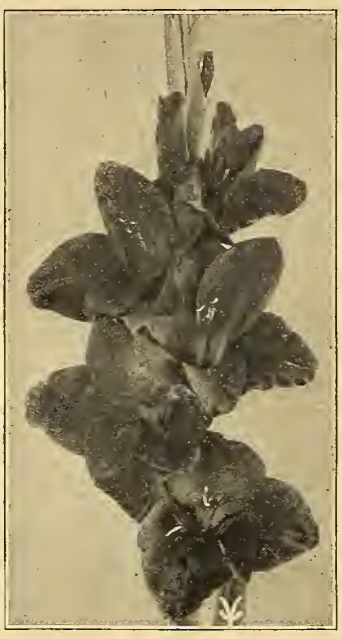
VAUGHAN'S PRINCEPS

Princeps has more than verified the claims made by us. Its wonderful size of flower, perfect shape, brilliant coloring and artistic form of flower spike are each so notably an improvement over all other varieties, that all combined place it in the front rank. The flowers are 5 to 6 inches broad, the petals are very wide and rounded, well reflexed, forming an almost circular flower. The color is brilliant scarlet-crimson, carrying mostly three white blotches on lower petals.

Large Bulbs, each, 5c; doz., 50c, postpaid; per 100, $4.00.

	Each	Doz.	100
FASCINATOR Splendid large flowers of salmony-pink tinted with flakes of carmine, throat blush with carmine-lake pencilings, long spike, graceful	$.25	$2.50	.....
FERNANDO CORTEZ. Pale yellow, violet-red striped	.20	2.00	$15.00
FLORENCE. Bright lilac, white blotch on lower petals	.20	2.00	15.00
FRED WIGMAN. Red, yellow throat	.10	.75	5.00
GERALDA. Flowers of bright deep rose with conspicuous white ribs and throat; forming a graceful spike	.40	4.00	.....
GLORY OF HOLLAND. Pure white	.10	.75	5.00
GLORY OF BRIGHTWOOD. Scarlet, lemon throat	.10	1.00	6.00
GOLDEN KING. Rich golden yellow	.20	2.00	15.00
GOV. HANLEY. Tall, showy, early; rich cardinal red	.10	1.00	6.00
GOV. McCORMACK. Rose mottled with silvery gray, violet and white mottled throat	.15	1.50	10.00
GRAND CONDE. Salmony-rose striped with violet-red, white blotches	.15	1.50	10.00
HALLEY. Salmon pink, very carly	.05	.50	3.00
HENRY GILLMAN. Deep salmon-scarlet with pure white bands	.10	1.00	6.00
HOLLANDIA. Buff yellow	.07	.60	4.00
HYDE PARK. Frosty sparkling white, penciled and and feathered with light and dark rose, but the lower petals are much more distinctly blotched with cream	.10	1.00	7.00
I. S. HENDRICKSON. Beautiful and irregular mottling of white and bright pink	.10	1.00	7.00
IRENE. Pink, flaked with crimson	.10	1.00	6.00
IRIS. Soft lavender with white throat spotted faintly with carmine	1.00	10.00	.....
ISAAC BUCHANAN. Very fine yellow	.10	1.00	7.00
JEAN BART. Bright crimson-red, ivory white blotch	.15	1.50	10.00
JESSIE. Rich velvety red	.10	.75	5.00
KATE. Blush white, crimson blotch on throat	.10	.75	5.00
KLONDYKE. Light yellow, with crimson	.10	.75	5.00
LA COMETE. Violet-lilac, with stripes of a paler shade, white blotch	.20	2.00	15.00
LA LORAINE. Bright salmony-red, blotch dark purplish red	.20	2.00	15.00
LA LUNA. White, small brown markings in throat	.20	2.00	15.00
LILY LEHMAN. Pure white with faint blush pink markings on edge of petals, lemon yellow blotch in throat	.07	.60	4.00
LUTIN. Cherry red with deep crimson blotch	.15	1.50	10.00
MADAME BRUNELET. Rosy lilac and carmine	.20	2.00	15.00
MADAME MONNERET. Delicate rose	.06	.60	4.00
MADAME P. PALMER. Rose suffused with carmine, blotch cream colored, edged cherry-red	.25	2.50	20.00
MARECHAL FABERT. Large flower, satiny-rose marbled carmine-red; the lower petals penciled raspberry-red on a straw-colored ground. Early flowering variety	.25	2.50	20.00
MARIE THERESE. White with a few rosy stripes	.20	2.00	15.00
MAY. Pure white flaked rosy crimson	.06	.60	4.00
MELROSE. White flaked pink, bright-crimson center	.15	1.50	10.00

"RUFFLED" GLORY



CHAS. L. HUTCHINSON

WINSOME

ALICE MARTIN

	Each	Doz.	100
MEPHISTO. Coppery scarlet	.15	1.50	10.00
MRS. BEECHER. Deep rosy crimson, throat pure white	.10	1.00	7.00
MOHONK. Dark pink, spotted throat	.10	.75	5.00
MONT CENIS. Fine white, full spike, strong grower	.15	1.50	10.00
MORNING STAR. White with a large rich velvety crimson throat	.10	1.00	7.00
MADRILENE. Bright salmony rose with carmine blotch	.15	1.50	10.00
NEZINSCOTT. Bright blood scarlet with deep velvety crimson-black blotch and white mottlings	.10	1.00	7.00
PAULHAM. Dark violet, with a paler shade in center; on lower petal a fine cherry-red blotch edged white	.15	1.50	10.00
PEACE. A grand white flower, very large, with pale violet feathering on lower petals; flowers correctly placed on a tall graceful spike. Should be planted early, as it is a rather late bloomer	.15	1.50	12.00
PHLEGETON. Dazzling scarlet-red, violet-red blotch on lower petals	.25	2.50	20.00
PINK BEAUTY. Rose pink with dark crimson blotch	.05	.40	3.00
PINK PERFECTION. Delicate apple blossom pink	.10	1.00	7.00
PRECURSEUR. Bright rosy-lilac, with carmine-red blotch on a white ground	.20	2.00	15.00
RED AMARILLAS. Brilliant blood red flower of giant size on medium height plant. Blooms formed like an Amaryllis. A most gorgeous and showy red	.25	2.50	20.00
REINE d'ANJOU. Pure white with purple throat	.15	1.50	10.00
ROSY SPRAY. White, beautifully sprayed rose	.10	.75	5.00
SALEM. Salmon-pink, maroon blotches	.06	.60	4.00
SCRIBE. Tender rose, tinted white, striped carmine	.10	1.00	6.00
SHAKESPEARE. Blush white, with large rosy blotch	.06	.60	4.00
SILVERETTA. Blush white with carmine blotch on yellow ground	.07	.60	4.00
SOPHOCLES. Fine fiery red, blotch of a velvety garnet-red with white stripes	.25	2.50	20.00
SULPHUR KING. Clear sulphur yellow	.15	1.50	12.00
SUNLIGHT. Light crimson with large canary throat	.10	.75	5.00
SUPERB. Pink, flaked and striped with salmon pink	.06	.60	4.00
TACONIC. Rose pink, white stripe in center of each petal, cherry red blotch	.10	1.00	7.00
THERMIDOR. Salmon-red profusely flushed and edged with slaty-grey	.10	1.00	6.00
VAN DAEL. Flowers of a delicate salmony-rose at the center, streaked with blood-red at the top of petals	.15	1.50	10.00
VELVET KING. Dark scarlet, similar to Brenchleyensis	.06	.60	4.00
VIOLA. A very large Lemoine type flower of exquisite mauve-blue, gradually shading to rich violet at the edges: throat toned canary with purple-garnet	.25	2.50	....
WAR. Deep blood-red, shaded crimson-black	.15	1.50	12.00
WILLY WIGMAN. Creamy white, scarlet blotch	.10	1.00	7.00
WILD ROSE. Delicate rose	.10	1.00	7.00
WINSOME. Great round flowers of exquisite blush, shot and shaded with carmine pink. A conspicuous throat blotch of crimson-lake	.30	3.00	....

SPECIAL OFFER No. 600B. Two each of the following six varieties sent by mail, postpaid, for **75c: Mrs. Francis King, Princeps, Chicago White, Canary Bird, Baron J. Hulot, Shakespeare.**

SPECIAL OFFER No. 500B. Two each of the following six varieties sent by mail, postpaid, **50c: Augusta, Brenchleyensis, America, Klondyke, Ruffled Glory, Kate.**

GLADIOLUS IN COLORS

	Doz.	100	1000
Blue shades	$0.75	$5.00	$45.00
Lilac and Violet	.75	4.50	40.00
Mouse Colored	1.25	8.00	75.00
Pink	.40	2.50	20.00
Pink and White	.50	3.25	27.00
Scarlet and Red	.30	1.75	15.00
Scarlet with White Throat	.50	3.00	25.00
Striped Shades	.50	3.00	25.00
White and Light Shades	.60	3.50	30.00
Yellow Shades	.60	4.00	35.00

VAUGHAN'S RAINBOW MIXTURE

This name has been chosen by us for the highest quality blendings of the many excellent named varieties shown on this page, including Childsii kinds with several other choice varieties of which we do not have sufficiently large quantities to offer in our catalogues. This is the best mixture we can make up and we believe unexcelled by that offered by any American firm. **Price, doz., 60c, postpaid; by exp., 50 for $2.25; 100 for $4.00; 250 for $8.00; per 1000, $30.00.**

GIANT "CHILDSII FINE"

This mixture contains a very complete range of all the splendid Childsii varieties. Included in this are many Childsii seedings not yet named. **Price, doz., 50c, postpaid; by express, 50 for $1.75; 100 for $3.50; per 1000, $30.00.**

EXTRA FINE MIXED

This splendid mixture is grown for us by Gladiolus specialists each year, and besides the mixture as originally grown many choice new kinds, including some Childsii, are added to the stock before sending it out to our customers. This insures a wide range of colors, shades and types.

Price, doz., 50c, postpaid; by exp., 50 for $1.65; 100 for $2.85; 1000, $22.50.

VAUGHAN'S SEEDLINGS

We make up this assortment from unnamed seedlings of our own and from several Gladiolus specialists. This mixture contains excelent values.

Price, doz., 40c, postpaid; by express, 50 for $1.25; 100 for $2.00; 250 for $4.00; per 1000, $15.00.

VAUGHAN'S SPECIAL BLUE MIXED

This mixture contains blue, slate, lavender and purple shades of choice varieties. **Each, 10c; 3 for 25c; doz. 75c; per 100, $6.00.**

VAUGHAN'S GOOD MIXED

We have thrown away all the common and cheap left-overs which our trial grounds have proved to exist in ordinary mixtures offered by us, and we do not intend to send out any mixtures, even of our cheapest, that will not make a brilliant showing in the gardens of our customers. This one, our cheapest, which we call "GOOD MIXED," will be found satisfactory everywhere excepting in the flower beds of the most critical. They are useful for mixed beds, borders and where large masses are to be planted. **Price, 4 for 12c; doz., 25c, postpaid; by exp., 50 for 75c; 100 for $1.25; 250 for $2.75; 500 for $5.00; 1000, $9.00.**

GLADIOLUS BULBS—KENWOOD MIXTURE

By our harvest of large crops of these beautiful varieties we can offer fine flowering bulbs at wonderfuly cheap prices. You get all the best colors. We give the best red, the best pink and many odd and novel shades. The bulbs vary from 5/8 to 3/4 inches diameter and give grand spikes. We have received hundreds of unsolicited testimonials on results.

25 bulbs prepaid.....$0 20 125 bulbs prepaid.....$1 00
60 bulbs prepaid..... 50 300 bulbs prepaid..... 2 00

Plant at 10-day intervals for succession of blooms from July to October.

Gladioli by Parcel Post. If to be sent by this means reckon postage at rate of 8 lbs. per 100 bulbs.

Vaughan's Lily Bulbs

For Pot Culture or Out-door Planting in Beds or Hardy Plant Border

For color, fragrance, beauty and variety of form, nothing can equal these grand flowers; whether grown in pots or grouped in the Hardy Plant Border, where their hardiness make them so desirable; they are always an object of beauty, and by judicious selection one can have a continuous bloom from early summer until fall.

Price each includes postage. Larger quantities are at purchaser's expense by express or parcel post.

Approximate Weights of Liliums. 8-9 inch, doz., 4-5 lbs.; 9-11 inch, doz. 6-7 lbs.; 11-12 inch, doz., 9-10 lbs.

LILILUM MYRIOPHYLLUM (New)

A new and very rare lily from China. The flowers are white shading to yellow in the center, with a pink tinge on the outer edges. A strong grower, some 3 or 4 feet high. It is deliciously scented and its extreme hardiness makes it a valuable lily for outdoor planting. Awarded a First-Class Certificate by the Royal Hort. Soc., London, 1912. **Each, $1.25; doz. $12.00.**

LILIUM AURATUM

(The Gold-banded Lily of Japan)

The most beautiful variety of all the lily family; should be in every garden. Illustration on this page is taken from a photo of a plant grown from one bulb in the garden of one of our customers. Flowers white, dotted crimson, with a clear golden band running through the center of each petal; very fragrant.

	Each	Per Doz.	Per 100
First Size—(8-9 in.)	$0.20	$1.40	$ 8.00
Mammoth—(9-11 in.)	.25	2.00	13.00
Monster—(11-12 in.)	.45	3.50	20.00

LILIUM SPECIOSUM

These lilies are probably the most popular of all, succeeding equally well in open border or in pots. When fully open the petals recurve gracefully on the flower stem, exposing the beautiful rose and crimson markings of **Rubrum and Melpomene** types.

ALBUM—Pure white:	Each	Per Doz.	Per 100
First Size—(8-9 in.)	$0.25	$2.50	$15.00
Mammoth—(9-11 in.)	.45	4.00	20.00

RUBRUM—White, spotted and rayed rosy red. We consider this the most satisfactory of the Speciosum class.

	Ea.	Per Doz.	Per 100
First Size—(8-9 in.)	$0.20	$1.40	$ 8.00
Mammoth—(9-11 in.)	.25	2.00	13.00
Monster—(11-12 in.)	.35	3.00	18.00

MELPOMENE—This is an improved type of Rubrum, being more spotted and splashed, and of a deeper red color.

	Each	Per Doz.	Per 100
First Size—(8-9 in.)	$0.20	$1.40	$ 8.00
Mammoth—(9-11 in.)	.25	2.00	13.00

LILIUM SPECIOSUM RUBRUM

LILIUM AURATUM. (The Product of a Single Bulb.)

VARIOUS HARDY LILIES

	Each	Per Doz.	Per 100
Canadense. (Meadow Lily.) Graceful, drooping, bell-shaped, red and yellow flowers typical of our northern meadows. Perfectly hardy. Fine bulbs	$0.10	$1.00	$ 7.00
Elegans Leonard Joerg. Rich apricot, spotted	.15	1.50	10.00
Elegans Painted Chief. Bright flame	.15	1.50	10.00
Elegans Robustum. Orange spotted maroon	.15	1.50	10.00
Elegans Mixed	.10	1.00	7.00
Hansoni. Flowers reddish orange, 8 to 12 in a cluster; petals thick and durable. Under favorable conditions it attains a height of 3 to 4 ft	.40	4.50	35.00
Henryi. A new rare, and very beautiful Lily from China. The flower stalks, 3 to 5 feet high, carry 5 to 8 large flowers each; the color, a rich apricot-yellow, lightly spotted with brown	.50	5.00	40.00
Pardalinum—(Leopard Lily.) Rich scarlet and yellow, spotted rich brown.	.10	1.00	7.00
Superbum. The finest of the native lilies. Flowers bright orange, thickly spotted purple	.10	1.00	7.00
Tennuifolium—(Siberian Lily.) Native of Siberia; one of the very hardiest lilies; flowers vivid scarlet, with petals reflexed; very showy and free-flowering, blooming early in the spring	.10	1.00	7.00
Tigrinum Splendens—(Improved Single Tiger Lily.) Very hardy native lily; Orange-red, spotted purple-black.	.10	.90	6.00
Tigrinum Fortunei—(Improved Tiger Lily). Bulbs will produce more flowers than ordinary variety	.15	1.50	10.00
Tigrinum Flore Pleno—(Double Tiger Lily.) The well known double Tiger Lily. Rich Orange blossoms, 4 ft.	.10	1.00	7.00
Umbellatum. Colors range from deepest red through all shades of crimson, rose, yellow, buff and apricot; blooms about midsummer	.10	1.00	7.00

LILY OF THE VALLEY

Large Imported Clumps. For outdoor planting in a shady moist position, these will give better bloom than the pips. (Average weight of each clump is 3 lbs.) **Each, 30c; doz. 3,00; 100, $22.00.**

Greenhouse and Garden Plants

PENTSTEMON, Southgate Gem

CONVEYANCE OF PLANTS

PARCEL POST. When requested we send small orders by this means, but always prefer to send **BY EXPRESS,** as we can send larger plants, pack more carefully, and they arrive in better condition. We add extra plants to help defray express charges. Please remit extra money as follows for postage:

Single plants, 5c; 3 plants, **10c;** 6 plants, **15c;** 12 plants, **20c.**

For Parcel Post Rates, see inside front cover.

Important. All orders are shipped as soon as possible upon receipt. If instructions accompany the order, we will reserve plants for future shipment. This applies especially to plants ordered during freezing weather.

Bedding plants are ready May 1st, and should not be planted earlier.

Safe Arrival Guaranteed. Unless instructed to the contrary, we send all plants by express. We guarantee the safe arrival of all plants to any point in the U. S. or Canada when sent by **express.** If forwarded in any other manner they are entirely at the risk of the purchaser.

☞**NOTE:** The term **(exp).** after a price denotes to be sent **by express.**

ABOUT PRICES OF PLANTS

Where the price each is given, these are our rates for 3 of **a kind.**

All plants except where noted are from 2¼ in. pots.

Each	3 for	Each	3 for
15c	40c	35c	$1.00
20c	50c	40c	1.10
25c	65c	45c	1.25
30c	80c	50c	1.40

Bedding Plants

	Each	Doz.	100
ABUTILON Savitzi. Leaves variegated green and white. 12-18 in. For borders	$0.10	$1.00	$7.00
ACHYRANTHES Bicolor. Large maroon leaves, scarlet center	.10	1.00	8.00
Panache de Bailey. Green and white, red stems, very attractive	.10	1.00	8.00
AGERATUM, Little Blue Star. Flowers intense blue. 6 to 8 in. For borders	.10	1.00	7.00
3 in. pots	.15	1.50	10.00
ALTERNANTHERA. For carpet bedding and edges. **Aurea Nana.** Green and yellow, 6 in.	.10	1.00	6.00
Brilliantissima. Broad bright red foliage; dwarf and compact	.10	1.00	6.00
Jewel. Rich carmine, strong grower	.10	1.00	6.00
Rosea Nana. Red and yellow, 6 in.	.10	1.00	6.00
ALYSSUM, Vaughan's Little Gem. The best pure white dwarf Alyssum. Height 4-6 in.	.10	.75	5.00
AMARYLLIS, Giant Hybrids. A very fine strain of seedlings. Grand variation of bright colors.			
Large Bulbs **(exp.)**	1.00	10.00	....
Small plants prepaid	.25	2.50	....
ANTIRRHINUM (Snapdragon), Vaughan's Select Tall Strain. Pink, red, white, yellow or mixed. 2 in. pots	.10	.75	5.00
Nelrose. Lovely flesh pink. } 2 in. pots	.15	1.50	10.00
Silver Pink. Beautiful shade. }			
Phelps' White. Best white for bedding	.15	1.50	10.00
ASTERS, Vaughan's Giant Branching. Lavender, red, rose, pink, shell pink, purple, white or mixed. Transplanted seedlings	.05	.30	2.00
Pot grown, 2½ in.	.10	.60	4.00

Begonias, for Outdoor Bedding

Fairy Queen. Flowers, deep pink, changing to rose; green leaves. 10 to 12 in.	$0.10	$1.00	$6.00
Erfordia. Rose pink; green and bronze foliage. Compact grower. A mass of flowers	.15	1.00	6.00
Gloire de Chatelaine. Silvery pink, compact habit, strong, vigorous grower, carrying its flowers well above the foliage. 2 in pots	.15	1.00	6.00
3 in. pots	.25	2.50	20.00
Luminosa. Bright scarlet. Red foliage	.10	1.00	6.00
Pfitzeri Triomphe. Pure white free flowering	.10	1.00	7.00
CALADIUM Esculentum. (Elephant's Ear.)			
Started plants, 5 in. pots	.30	3.00	20.00
Started plants, 6 in. pots	.40	4.00	30.00
Fancy Leaved. (See House Plants, page 111.)			
CASTOR OIL BEAN PLANT. (Ricinus) Green or Red foliage plants for center of beds. Tall	.10	1.00	6.00
4 in. pots	.15	1.50	10.00
CENTAUREA Gymnocarpa. (Dusty Miller) Grayish leaves. 8 to 12 in. For borders	.10	1.00	6.00
3 in. pots	.15	1.25	8.00
Candidissima. Dwarf, silvery foliage. Valuable for ribbon bedding and borders	.10	1.00	7.00
CELOSIA Childsii (Chinese Woolflower). Large crimson feathery heads	.10	.60	4.00

	Each	Doz.	100
COLEUS, Anna Pfister. Bright yellow and crimson. 12 to 14 in.	$0.10	$1.00	$6.00
Golden Bedder. Large yellow leaves. 12 to 14 in.	.10	1.00	6.00
John Pfister. Crimson, edged gold. 12 to 14 in.	.10	1.00	6.00
Verschaffeltii. Dark crimson leaves. 12 to 14 in.	.10	1.00	6.00
Beckwith's Gem. A fine combination of gold and crimson maroon	.10	1.00	6.00
COSMOS, Early Flowering. Crimson, pink, white or mixed. Fine for cut-flowers	.10	.75	5.00
Lady Lennox. Late, shell pink. Large flowers	.10	.75	5.00
Late Giant Flowering. Crimson, pink, white or mixed	.10	.75	5.00
DAISY (Bellis Perennis,) English Mammoth. Pink or white	.10	1.00	7.00
DRACAENA Indivisa. Long narrow green leaves; useful for vases, beds and window-boxes. 3 in. pots	.15	1.50	....
4 in. pots	.25	2.50	....
Larger plants, **each 50c, 75c and $1.00.**			
ECHEVERIA. (Hen and Chickens)	.10	1.00	6.00
FEVERFEW, Double White. For borders	.10	1.00	6.00
Golden Feather. 4 to 6 in. For borders	.10	.75	5.00

Fuchsias

Easy of culture in partly shaded location. They are suitable for growing outdoors either in beds, pots, boxes or vases.

Black Prince. A misnomer as far as name is concerned, being of a bright, waxy carmine; tube and plants large and broad, with green tips, large, pink corolla.

Elm City. One of the best; sepals a rich crimson; corolla deep purple and very double; free flowering and easy to grow.

Gerbert. Sepals, bright, red, corolla reddish purple blotched carmine red.

Phenomenal. The flowers are of enormous size, sepals bright scarlet, with rich violet-purple corolla, very double.

Speciosa. Pale red tube and sepals; dark red corolla, there frequently being from thirty to forty flowers on a single branch.

Lieut. Mauritz. Double white coralla, scarlet tubes and petals.

Each of the above strong plants, 3 in. pots, each 15c; doz. $1.50; 4 in. pots, each 25c; doz. $2.50.

	Each	Doz.	100
GERANIUMS.—See next page.			
HELIOTROPE, Centefleur. Dark purple	$0.10	$1.00	$6.00
Picciola. Dark purple, large trusses, vigorous	.15	1.50	8.00
Mad. de Bloney. White, very sweet sented	.15	1.50	8.00
Mammoth Mixed	.10	1.00	6.00
LANTANA, Leo Dex. Orange scarlet changing to crimson; robust grower	.15	1.25	....
Weeping. Drooping, valuable for window boxes	.15	1.25	....
LOBELIA, White Lady. Pure white	.10	.75	5.00
Crystal Palace Compacta. Deep blue	.10	.75	5.00
Sapphire. Long deep blue flowers, white eye; effective for baskets	.10	1.00	6.00
MARGUERITE, Mrs. F. Sander. New white	.15	1.25	8.00
4-in. pots	.25	2.00	15.00
Boston. Golden yellow	.15	1.25	8.00
Queen Alexandra. Pure white	.15	1.25	8.00
4-in. pots	.25	2.00	15.00
MUSA Ensete (Banana Plant)	.35	....	....
Larger Plants at **50 cents to $3.00 each.**			
PANSY, Vaughan's International Mixture.	....	.60	4.00
Vaughan's Giant-Flowered	....	.50	3.50

BEDDING PLANTS—Continued.

PENNISETUM Longistylum. Graceful white plumes. 12 to 18 in. For borders of Canna beds. **Each, 10c; per doz. 75c; 100, $5.00.**

Ruppelianum. Purplish plumes. Beautiful foliage. 3 ft. For borders of Canna beds. **Each, 10c; per doz. 75c; 100, $5.00.**

PENTSTEMON, Southgate Gem. Brilliant Scarlet with white markings at throat; very free and attractive for massing. **Each, 10c; per doz. $1.00; 100, $7.00.**

PETUNIA, Purity. Double white. **Each 15c; per doz. $1.50.**

Balcony Queen. Purple with white markings. **Each, 10c; doz. $1.00; 100, $6.00.**

Rosy Morn. Rose with white markings. **Each, 10c; per doz. $1.00; 100, $6.00.**

Vaughan's Choicest Double. White, Pink, Purple, Variegated or Mixed. **Each, 15c; doz. $1.50; 100, $10.00.**

Single Fringed Mixed. Each 10c; per doz. $1.00; 100, $6.00. 4 in., each 15c; doz. $1.50.

PHLOX Drummondii. Pink, scarlet, white and mixed. **Each, 10c; doz. 75c; 100, $5.00.**

SALPIGLOSSIS. Vaughan's Special Mixture. Each, 10c; doz. 75c; 100, $5.00.

SALVIA SPLENDENS (Scarlet Sage).

Drooping Spikes, 2½ ft. **Each 10c; doz. $1.00; 100, $6.00.**

Fireball, 1½ ft. **Each 10c; per doz. $1.00; 100, $6.00.**

Zurich, 15 to 18 in. **Each 10c; per doz. $1.00; 100, $6.00.**

3 in. pots. **Each 15c; doz. $1.25; 100, $8.00.** 4 in. pots. **Each 20c; doz. $1.75; 100, $12.00.**

VERBENA Hybrida. Mammoth pink, purple, scarlet, white or mixed. **Each 10c; doz. 75c; 100, $5.00.**

Beauty of Oxford. A mammoth flower of a soft pink shade. **Each 10c; doz. $1.00; 100, $6.00.**

Frances. Clear Rose, large flowers, strong grower. Very attractive. **Each, 10c; doz. $1.00; 100, $6.00.**

Lemon Scented. Delightful fragrance. **Each, 15c; per doz. $1.50.**

ZINNIAS. Vaughan's Colossal. White, Pink, Purple, Scarlet or Mixed. **Each, 10c; doz. 75c; 100, $5.00.**

GERANIUM LUCIFER

GERANIUMS—Bedding Sorts.

Alphonse Riccard. Large brilliant scarlet trusses. One of the finest bedders.

Beaute Poitevine. A favorite semi-double bedder because of its beautiful shrimp pink color.

Berthe de Presilly. Fine silver pink bedder.

Columbia. A remarkably free blooming scarlet. Single.

Decorator. A grand semi-double light red, a strong grower and a free bloomer.

Jean Viaud. A beautiful semi-double rose pink with white eye. Large trusses.

GERANIUMS—Continued

Lucifer. Double. Glowing scarlet, very free flowering and large flower heads. An ideal variety for pots or bedding; compact and low growing, extra fine. **Each 20c; per doz $2.00.**

John Doyle. A fine rich scarlet, perfectly double. A profuse bloomer.

La Favorite. The best double white bedding Geranium.

S. A. Nutt. Best of the dark crimson-scarlet bedders. Perfectly double and a remarkably free bloomer.

Prices of above (except where noted) **Each 15c; per doz. 75c; 100, $6.00. 3½ in. each, 20c; doz. $1.50; 100, $10.00.**

Ivy Leaved

Beauty of Jersey. A free flowering double pink.

Joan of Arc. Only double white Ivy Geranium.

L'Etincelant (New). Double. Glowing red, very strong-growing with fine large flower trusses which are carried well above the foliage. Extra fine for porch and window boxes.

Souv. de Chas. Turner. Rosy pink, double.

Victor Von Shirley. Semi-double flowers, rich glowing scarlet in large trusses; vigorous grower and free bloomer.

Prices of Above. **Each 15c; doz. $1.50, 100, $6.00.**

Variegated Leaved

Mme. Salleroi. The best border geranium, twelve inches high. Foliage variegated green and white. **Each 15c; doz. $1.50.**

Pansy Geraniums

Easter Greeting. (Ever blooming). Remarkable for its early and free-flowering habit, which in favorable seasons is continued into late fall. The flowers are large, bright amaranth red; dwarf robust growth; the only bedding variety. **Strong plants. Each 25c; doz. $2.00.**

Lucy Becker. Same type as Easter Greeting with a very pleasing shade of rosy pink. **Each 25c; doz., $2.50.**

Mrs. Layal. A grand variety, very suitable as a house plant, of easy growth and requiring little attention. **Each 15c; doz. $1.50.**

Wurtembergia. Another sport of Easter Greeting. Florets of a bright carmine with velvety well defined blotches. Valuable as a bedder or pot plant. **Each 25c; doz., $2.50.**

Plants

FOR HOUSE AND CONSERVATORY

ANANAS Sativus Variegatus. (Variegated Pine-apple.) In growth resembles the Pandanus. 3-in. pots, **each $1.50.**

ARAUCARIA (Norfolk Island Pine.) (Fig 6.) 12 in. high, **$1.00 each.** Larger Plants, **each $1.50, $2.00, $3.00 and $5.00.**

ASPARAGUS Plumosus (Lace Fern.) Fine for table decoration.

Sprengeri. Suitable for hanging baskets and porch boxes. 2½ in. pots, **each 15c; doz. $1.50.** 4 in. pots, **each 25c; doz. $2.00.**

ASPIDISTRA. (Iron Plant.) Green or Variegated. $1.50 and $2.00 each.

AUCUBA Japonica Variegata (Gold Dust Plant.) A valuable decorative plant worthy of more attention. Much prized for hall or porch decoration. 15 to 18 in. high, **$1.00; each, 3 for $2.75;** 24 to 30 in. high, **$2.00 each, 3 for $5.50.** If wanted in tubs add **50c** to the above prices.

BOUGAINVILLEA Sanderiana. Rosy crimson flowers from Easter to midsummer. **Each 25c; doz. $2.50.**

CALADIUMS, Fancy Leaved. (Fig. 3). Dry bulbs, 1½ to 2 inches in diameter. For window boxes, show plants or greenhouse growing they are invaluable. Rich, thrifty leaves., handsomer than Begonias; marbled, veined and striped with white, pink and dark red. Bulbs should be started into growth about April 1st, in a warm house. **Each 30c; 6 for $1.50; doz. $2.50.** Started plants of above, same price in May.

CROTONS. (Fig. 2). The richest of all variegated plants, equally adapted to indoor culture or outdoor bedding. 3 in. pots, **each 30 cents; doz. $3.00.** Larger plants, **each 50c;** Specimens, **each $1.00, $1.50** and **$2.00 (exp).**

CYPERUS ALTERNIFOLIUS (Umbrella Plant.) Excellent house or aquatic plant. 3-in. pots, **each 15c; doz. $1.50;** 4-in. **each 25c; doz. $2.50.**

DRACAENA Indivisa. Much used for vases, window-boxes and hanging baskets. 4-in. pots, **each 25 cents; doz. $2.50 (exp).** 5-in. pots, **each 50 cents; doz. $5.00 (exp).**

Lindeni, Massangeana (Fig. 4) and **Terminalis** (Fig. 5) in various sizes for conservatories. **75 cents to $2.00 each.**

EUONYMUS Japonica. Bright green glossy foliage.

Japonica Variegata. Variegated green and gold. Above are invaluable for window boxes, pedestals or porch decoration. 1½ ft. high. **Each, 75c.**

FARFUGIUM Grande (Leopard Plant). A very effective room plant. Has large round leaves, mottled with white and yellow blotches. **Each 25c.**

FERNS—Boston. Long graceful drooping fronds which frequently attain a length of six feet. Called by many the Fountain Fern. Deserves wide use as a house plant. **Each 15c; doz. $1.50.** Larger, **25c, 50c, 75c** and **$1.00.**

Cybotium Schiedei (Fig. 1). A very ornamental fern for room or hall. **Each 75c.**

Cyrtomium Rochfordianum (Holly Fern). Withstands varying temperatures, making it a useful house plant. 4 in. pots. **Each 25c.**

Nephrolepis Roosevelt, Jr. ("Teddy Jr.") A sport from the above producing short but broader fronds, tapering from base to tip, which droop gently, forming a very graceful plant. Small plants, **each 20 cents; doz. $2.00.** Larger plants, **each 50c, 75c** and **$1.00.**

Nephrolepis Whitmani (Ostrich Plume Fern.) Finely divided fronds resembling a plume. **Each 20 cents; doz. $2.00.** Larger plants, **each 50c, 75c, $1.00** and **$1.50.**

Adiantum (Maiden Hair.) Ea. 20c; doz. $2.00.

Asplenium Nidus Avis (Bird's Nest Fern). An attractive house fern. **Ea. 75c.**

Small Ferns for Dishes. We sell thousands of these handsome ferns, dwarf in habit, for fern dishes. One each, 8 varieties. **Each 10c; doz. $1.00.**

FICUS Elastica (Rubber Plant). 4 in. pots, 10 in. high, **50c;** 5 in. pots, **75c.**

Repens. A trailing variety with small leaves. 3 in. pots. **Each 20c.**

GARDENIA Veitchii. A grand fragrant plant or shrub. 3 in. pots. **Each 30c.**

HYDRANGEA Otaksa. Deep rosy pink flowers in large clusters. Fine for porch and lawn decoration. 2-yr. at **50 cents each;** 3-yr. at **$1.00 each.** Specimens in tubs, **$3.00 and $5.00.**

PANDANUS (Screw Pine) Utilis. Green leaves, red spines. **50c and 75c.**

Veitchii. Variegated green and white. **$1.00, $2.00 and $3.00 each,**

PALMS. We have **Kentia Belmoreana** and **Forsteriana,** and **Phoenix Canariensis** and **Roebelenii;** fine plants at **50c, 75c, $1.00.**

PLUMBAGO Capensis. Beautiful blue flowers. **Each 15c.**

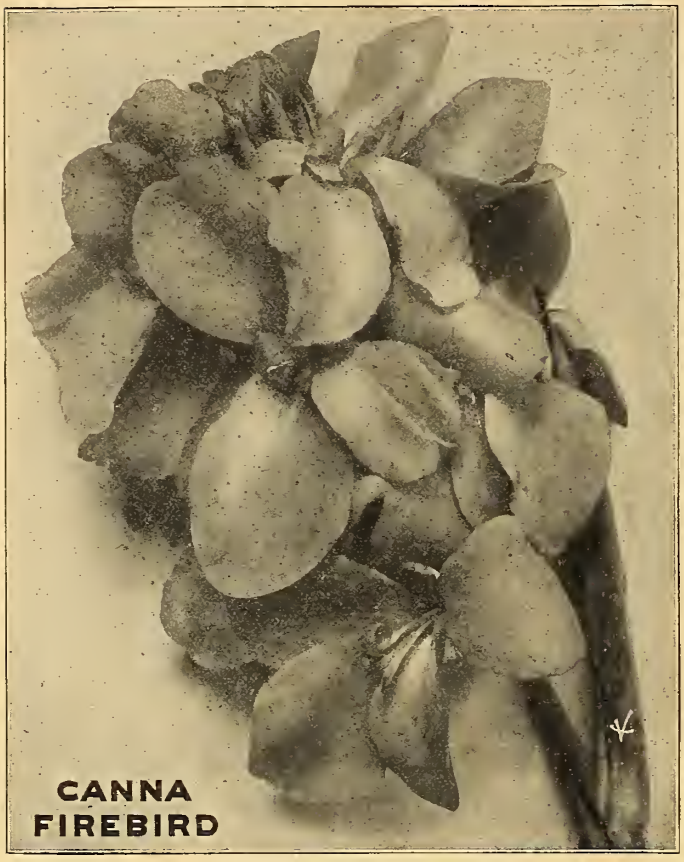
Capensis Alba. White. **Each 15c.**

SWAINSONIA Alba. Long sprays of white, pea-shaped flowers. **Each 15c.**

Rosea. Pink flowers. **Each 15c.**

SCILLA Maritima (Sea Onion.) An ornamental plant, the scaly layers of the bulbs being used for making Syrup of Squills. **Each, 15c, 20c and 35c.**

Prices given on application for filling Window Boxes, Hanging Baskets, etc., with Ferns, Palms, Shrubs and Flowering Plants.



VAUGHAN'S CHOICE NEW CANNAS

Aigle. 4 ft. Green foliage, with bronze margin. The flowers are large and round, of a clear bright crimson-scarlet, no other markings whatever, carried in large erect spikes well ahove the leaves. A valuable addition to any collection. **Each 35c;** 3 for **$1.00; doz. $3.50.**

Altitude. 5½ ft. Bronze foliage, over which stand the magnificent bright scarlet flower spikes. The individual blooms are immense and of great substance. **Each 35c;** 3 for **$1.00; doz. $3.50.**

Aviator. 4 ft. Foliage green, good sized spike; flowers very large, clear vermilion. **Each 50c;** 3 for **$1.25; doz. $5.00.**

Ehrenfels. Brilliant clear orange flowers of large size carried in massive trusses over the deep red foliage. One of the best of the dark leaved varieties. **Each 50c;** 3 for **$1.25; doz. $5.00.**

Fanal. Flowers intense brilliant fiery cinnabar-red, broad petals. Foliage fresh green bordered hrown. A strong and vigorous grower, free, early and willing bloomer. Extra good sort. **Each 50c;** 3 for **$1.25; doz. $5.00.**

Hohenzollern. Beautiful clear canary-yellow flowers borne in graceful, large trusses. Broad, green healthy foliage. One of the best of its color. **Each 50c;** 3 for **$1.25; doz. $5.00.**

Oriental. 4 ft. Foliage light green. This is a grand variety in its color, and when massed is very effective. Flowers are golden yellow, tigred with nasturtium-red, forming immense spikes, the individual flowers being large and well shaped. **Each 35c;** 3 for **$1.00; doz. $3.50.**

Rheinstein. The foliage is remarkably pretty of a velvety fresh green. The flower heads are round, solid and produced in abundance and free succession. The color is that of Begonia Bavaria, a clear, brilliant rosy carmine. Of very free blooming and self-cleaning hahit. **Each 75c;** 3 for **$2.00; doz. $8.00.**

SPECIAL OFFER No. 112

One each of the ahove 8 varieties and **Firebird** for **$3.50** by express.

KING HUMBERT

King of the Bronzed-Leaved Cannas

Giant Flowered. Orange Scarlet. Bronzed Leaf.

This remarkable "Gold Medal" Canna has been the sensation of the past six years. It is a cross between the Orchid flowering and the French or Crozy type, combining the hest features of hoth, the large flowers of one with the free-hlooming character of the other, and the handsome broad leathery foliage with a strong, noble habit.

It is so distinctively in advance of any other Canna that the demand for and use of it has become universal. We have taken the highest awards with it whereever shown in competition. It received a gold medal at St. Louis, being the central figure in our "Grand Prize Exhibit." Be sure to order this one.

	Each	3 for	Doz.	100
2½ in. pots	$0.15	$0.40	$1.25	$ 8.00
3 in. pots	.20	.50	1.50	10.00
4 in. pots	.25	.65	2.50	18.00
5 in. pots	.40	1.10	4.00	25.00

CANNAS

Enormous brilliant clusters of bloom borne on spikes above broad leaves of green or bronze, in tropical effect, characterizes the Canna beds of today. No park, no public garden, private estate, or even moderate town plat is complete this summer without a showing of Cannas,our large displays of them at Western Springs being a wonderful sight during August and September and the admiration of all visitors. We discard older and smaller types as new improved ones come along. Notable among these are "King Humbert," "Chas. Lutz," "Hungaria," and "Firebird," the finest Scarlet Canna of the present time. Our importations of Canna novelties began before the Chicago World's Fair, and at that fair and since, at Omaha, Buffalo, St. Louis, at San Diego and San Francisco, we have won grand medals for our exhibts of these plants.

Culture.—Cannas should be planted in good, rich garden soil, mixed with half of old rotten stable manure, hy the end of May, when danger from frost is past. Water sparingly for first two weeks after planting. When growing freely, water liberally. Set the plants about 18 inches apart each way, and if more than one kind is used, be careful to plant the taller growing kinds in the center and the dwarf ones along the edge. This applies to planting in beds.

FIREBIRD

The best-red flowered green-leaved Canna

This is hy all means the very best red-flowered, green-leaved Canna today. The flowers are borne in immense trusses, on strong stalks well above the leaves. They are of splendid form, round and shapely. The petals measure and sometimes exceed 2½ inches across, and the color is a clear glistening scarlet without any streaks, spots or blotches.

We have seen and tested many varieties during the years we have devoted to their culture and have never seen one that can approach it. Customers who have grown this Canna concede its worthiness to rank with the Grand Bronze King Humhert. Our rapid propagation the past two years now brings it within the reach of all. Strong plants. **Each 35c;** 3 for **$1.00; doz. $3.50;** 100, **$25.00.**

VAUGHAN'S LEADING CANNAS

Adolph Grimminger. 4½ ft. Foliage broad, dark green. Flowers of enormous size, brilliant light carmine. A very effective color. The flower heads are loose and of immense size. **Each 25c;** 3 for **65c; doz. $2.25.**

Charles Lutz. 4½ ft. A magnificent new sort, foliage large, vigorous and healthy green. Flowers very large yellow, might describe this as a green-leaved, yellow-flowering King Humhert, because it has the same massive foliage and immense flowers. **Each 25c;** 3 for **65c; doz. $2.25.**

Garam. 3½ ft. Foliage green, of magnificent growth, trusses very large, flowers of magnificent build, fiery carmine, cinnabar-red. **Each 20c;** 3 for **50c; doz. $1.75.**

Gladioflora. 3½ ft. Green foliage. Crimson changing to carmine rose, edged with gold. Petals are rounded and white, overlapping each other. **Each 20c;** 3 for **50c; doz. $1.75.**

Gustave Gompper. 3½ to 4 ft. Flowers of great size and suhstance, in color a fine golden yellow, the lower petals heing slightly splashed with red. A good sturdy plant, with stiff erect stems and large flower spikes. **Each 20c;** 3 for **50c; doz. $1.75.**

Hungaria. 3½ ft. Very compact; almost dwarf and of a very luxuriant growth. Leaves hluish green, never hurns. Trusses of enormous size, borne well above the foliage. Flowers very large with very hroad petals. Color purest La France pink with satin sheen. The most delicate pink in Cannas. **Each 20c;** 3 for **50c; doz. $1.75.**

Improved Mont Blanc. Large pure white. The plant is very robust and carries its flower well above the foliage. 2½ in. pot plants. **Each 20c;** 3 for **50c; doz. $1.75.**

John Farquhar. 4 ft. Foliage bright metallic brown-red of particular beauty. Flowers salmon red, streaked orange. The flowers which are horne well ahove the foliage form a heautiful contrast over the magnificent leaves. **Each 20c;** 3 for **50c; doz. $1.75.**

Julius Koch. 3 ft. Foliage dark green. Flowers composed of four broad, well rounded, large petals and of the most brilliant blood-red. One of the best reds in our collection. **Each 20c;** 3 for **50c; doz. $1.75.**

Matador. 4½ ft. A grand introduction. Flowers are of the largest size, the petals heing very hroad and heautifully rounded. The color is rich scarlet, marhled cerise, very striking and distinct; an abundant bloomer. **Each 25c;** 3 for **65c; doz. $2.25.**

Mrs Alfred Conard. 4 ft. Green foliage. Flowers salmon pink of large size on finely shaped flower heads which are borne well ahove the foliage. **Each 25c;** 3 for **65c; doz. $2.25.**

New Chicago. 4½ ft. Color most brilliant and striking scarlet, without any hluish cast. Strong vigorous grower. **Each 20c;** 3 for **50c; doz. $1.75.**

Queen of Yellows (Konigen der Gelben). 4½ ft. An excellent pure golden yellow. Flowers are large with thick rounded petals, forming immense full trusses. A vigorous plant and ahundant bloomer. **Each 25c;** 3 for **65c; doz. $2.25.**

Stuttgartia. 4½ ft. Broad leaves, dark green, of majestic growth, flowers glowing orange-scarlet with canary-yellow band and peculiarly marked and mottled. The mammoth flowers are borne on strong stems and are carried erect ahove the foliage. The variety has the size of Orchid-flowering Cannas, as well as the richness of the Crozy types. **Each 25c;** 3 for **65c; doz. $2.25.**

Wm. Saunders. 3½ ft. Rich hronze foliage. Flowers a deep rich, shining scarlet. 2½ in. pot plants. **Each 20c;** 3 for **50c; doz. $1.75.**

SPECIAL OFFER No. 112a

One each of the above 15 varieties for **$2.85** hy express.

SPECIAL OFFER No. 112b

One each, Firehird, King Humhert and Chas. Lutz for **75c** prepaid.

Canna Firebird

(Introduced in U. S. by Vaughan's Seed Store)

The Best of all Cannas

Strong Plants ready in April. Each, 35c; 3 for $1.00; Dozen, $3.50; Per 100, $25.00.

On a Vaughan Gladiolus Farm

We are now growing all the standard commercial kinds, as well as a complete collection of named varieties of many types, such as Primulinus, Nanceianus, Childsii, Pfitzer's Giants, Gandavensis, etc.

Primulinus Sunbeam—Slender graceful stems and bonneted flowers with curved and pointed blossoms. This class seen in our gardens this year and exhibited at many Garden Club Shows has quickly become a popular favorite. The colors come in many shades, orange, red-brown and ochre. "The **Sunbeam**" originated by Dr. Van Fleet (who supplied us Princeps) is clear lemon yellow, a rare color in Gladioli. This, with other Hybrids, glows with brilliancy in vases under artificial light. The **New Blues** and **Vaughan's Slate Colors** mix with these to advantage in such decorations.

Price prepaid to third zone, inclusive.

PRIMULINUS "SUNBEAM" Each 25c; 3 for 65c; doz. $2.50; per 100 by exp. at buyer's expense, $20.00.

Four New and Desirable Kinds

	Each	Doz.		Each	Doz.
Mary Blackman	$0.25	$2.50	**Chicago Salmon**	$0.15	$1.50
Mrs. W. S. Brewster	.40	4.00	**Princeps**	05	.50

Slaty Red Mixed (French), Large spikes, large flowers, wonderful blendings, unique, and sold only by us. **Each 10c; dozen $1.00.**

Special Offer 500-C

All Prepaid at prices below:

6 Bulbs—1 each above, 6 varieties	**$1.00**
12 Bulbs—2 each above, 6 varieties	**1.75**
24 Bulbs—4 each above, 6 varieties	**3.25**

Primulinus "Sunbeam" Latest Decorative Type

MARY BLACKMAN

One of our Exhibits of New Varieties and Unnamed Seedlings

A CHARMING FLOWER BED, CANNA "KING HUMBERT" THE LEADING FEATURE. For Description, See Page 118.

VAUGHAN'S BEDDING CANNAS

PRICES, except where noted are as follows:

	Each	3 for	Doz.	100
2½ in. pot plants	**$0.15**	**$0.35**	**$1.25**	**$ 8.00**
3 in. pot plants, by express	**.20**	**.50**	**1.50**	**10.00**
4 in. pot plants, by express; this size will be ready May 15, and will commence to bloom in a short time	**.25**	**.65**	**2.50**	**18.00**

ORCHID-FLOWERING VARIETIES

Allemania. 4 to 5 ft. Green foliage. The outer petals are scarlet, with broad yellow border. Inside of bloom scarlet and dark red.
Burbank. 5 ft. Green foliage. The flowers are gigantic in size. Toward the inner part the petals show fine crimson spots; all the rest of the flower is of a rich canary-yellow.
Frederic Benary. 5½ to 6 ft. Green foliage. An early bloomer. Its flowers are currant red with orange throat and yellow edge.
Long Branch. 5 ft. The flower resembles a giant flowering Queen Charlotte in the orchid-flowering class, being bright crimson with wide, irregular border of yellow which stands the sun equally as well as King Humbert.
Louisiana. 6 ft. Very large beautiful vivid scarlet orchid-like flowers, often measuring 5 to 6 in. across. Foliage a glossy green.
Mrs. Carl Kelsey. 6 to 7 ft. Green foliage. Orchid-flowering with narrow edge of purple. Orange scarlet, flaked and striped with golden yellow petals which have a wavy edge.
New York. 5 ft. Dark bronze foliage, with the orchid type of flowers. Will stand the hot sunshine as well as the toughest varieties of Cannas. The color is a solid rich scarlet covered with a beautiful glowing sheen.
Wyoming. Bronze foliage. Flowers a beautiful shade of orange.

YELLOW SHADES, GREEN FOLIAGE

Buttercup. 3½ ft. A true bright buttercup yellow, large.
Dwarf Florence Vaughan. Similar to Florence Vaughan, but one-third shorter, never exceeding 3½ ft. Color, golden yellow, thickly dotted with bright red.
Florence Vaughan. 5 ft. The most famous of yellow Cannas. It still remains the best type of Canna. The flowers are rich yellow, thickly dotted red.

BRONZE-LEAVED VARIETIES

David Harum. 3½ ft. Dark bronze foliage. Strong grower and one of the freest blooming Cannas we have ever seen.
Discolor. 6-8 ft. Used for foliage effect, musa-like foliage.
Egandale. 4 ft. Bronze foliage. Considered by experts the best in this class. Strong compact flower spikes. Color currant red.
Leonard Vaughan. 4¼ ft. Rich deep bronze foliage. Very strong grower. Flowers freely. Color bright scarlet.

GILT EDGE VARIETIES

All have green foliage and scarlet flowers with yellow edges.
Halley's Comet. 3 to 4 ft. Green foliage. Blazing scarlet, pure yellow in the throat with a narrow thread of gold around each petal's wavy edge.
Mad. Crozy. 3½ ft. Vermillion with gold border. The sort which popularized the Canna.
Multiflora. Very bright vermillion with a narrow golden yellow border. Extra free bloomer, carrying three and four perfect flower spikes at one time.
Queen Charlotte. 4 ft. Rich orange-scarlet with a broad gilt edge.
Souv. de A. Crozy. 4 ft. The flowers are scarlet-crimson bordered yellow.

CRIMSON AND SCARLET SHADES WITH GREEN FOLIAGE

Beaute Poitevine. 3½ ft. Large crimson flowers of a beautiful shade, much admired.
Chas. Henderson. 4 ft. Crimson flowers. Good bedder. Roots winter well.
Comte de Sachs. 4 ft. One of the very best. Early and free. Color clear crimson scarlet. Flower heads large.
Milwaukee. 3½-4 ft. Flower rich deep maroon, darker than the Duke of Marlborough. We find it the darkest of all Cannas.
The Express. 2½ ft. Bright scarlet crimson. Large broad flowers in immense trusses. This is the best dwarf red Canna.

PINK SHADES, GREEN FOLIAGE

Venus. 3½ ft. A soft rosy pink with a pretty mottled border of creamy-yellow.

VAUGHAN'S "MODEL" CANNA BEDS

Four Stirling Designs Complete, with Prices

Note that we offer the plants in two sizes.
Small size, from 2½ in. pots. **Larger size,** from 4 in. pots, ready to bloom.
Planting. Place a stake in the center of the bed and with a radius of 18 inches mark the first row of Cannas. Set the plants 18 inches apart in the row. Increase the radius by 18 inches for each successive row. Plants other than Cannas require different distances.

CANNA BED No. 1

Round, 7 ft. across. 1 Florence Vaughan (for center); **6 Egandale,** bronze (middle row); **12 Mad. Crozy** (outside row). One of the prettiest possible beds.

	Not prepaid	Prepaid
The 19 plants, small size	**$1.75**	**$2.00**
The 19 plants, large size, ready to bloom	**3.00**	**3.50**

CANNA BED No. 2

Round, 7 ft. across. 1 David Harum, bronze (for center); **6 Dwarf Florence Vaughan** (middle row); **18 Salvia Fireball** (outside row). One of the prettiest possible beds.

The 7 Cannas and 18 Salvias small size	**$2.25**	**$2.50**
The 25 plants, large size	**3.75**	**4.00**

CANNA BED No. 3

Round, 10 ft. across. 19 King Humbert (for center and two rows) **36 Pennisetum Longistylum** (outside row), from 2 in. pots. **This bed complete** (the Cannas from 3 in. pots), **$5.00, by express.**

CANNA BED No. 4

Round, 10 ft. across. 37 Hungaria; the **finest pink** Canna; makes a charming display where a solid color is desired (from 3 in. pots), **$5.00 by express.**

We recommend the following as most desirable for beds of solid colors.

Diagram showing how to plant will be sent with each shipment of Canna beds.

Beaute Poitevine	**Egandale**	**Mad. Crozy**
Buttercup	**Firebird**	**Milwaukee**
David Harum	**Florence Vaughan**	**New Chicago**
Dwarf Florence Vaughan	**Hungaria**	**Queen of Yellows**
	King Humbert	**The Express**

Number of Cannas required for the following sizes of Round beds, 7 ft.—19 plants; 10 ft.—37 plants; 13 ft.—61 plants; 16 ft.—91 plants.

SUITABLE PLANTS FOR BORDER AROUND CANNA BEDS

Those marked (a) to be used for Green-leaved varieties. Those marked (b) for Red-leaved varieties.

(a) Coleus Verschaffetii and Beckwith's Gem. (a) Achyranthus Bicolor.
(a) Salvias, Fireball and Drooping Spike. (b) Petunia, Snowball.
(b) Centaurea Gymnocarpa. (a) and (b) Pennisetum Longistylum.
(b) Coleus, Golden Bedder. (b) Caladium Esculentum.

Canna Firebird is the most notable novelty in its class. It attracted much attention at the Panama Exposition. The price at which it is now offered is within the reach of all.

Chrysanthemums

We wish our patrons to note that in our list of Chrysanthemums we do not pretend to have the largest collection of varieties, but those varieties that have proven the best from all sources are offered.

Vaughan's Best EXHIBITION JAPS.

A. S. Watt. Very large white reflexed. Termed the White Vallis. **Each 50c.**
Annie L. Angus. Incurved glistening white.
Bob Pulling. Strong grower with heavy Golden Yellow blooms. **Each 50c.**
Daily Mail. Rich golden color, rather tall grower but an immense bloom.
Dragoon Vert. Crimson, drooping petals.
Earl Kitchener. Silver pink, large incurving. **Each 50c.**
Gertrude Peers. Crimson with no reflex.
James Frazer. Yellow Improved F. S. Vallis.
Mrs. Ernest Wild. Chestnut crimson, large Japanese type.
Mrs. H. J. Jones. Pale yellow with green center petals.
Mrs. G. L. Wigg. Lemon yellow of enormous size.
Mrs. W. E. Tricker. Light pink, large bloom.
Meudon. Rose pink, large flat flower.
Odessa. The largest yellow to date.
Wm. Turner. The largest white.
Yellow Wm. Turner. Sport from Wm. Turner. **Each 75c.**

Price, except where noted, 2½-in. pots, each 20c; doz. $2.00; per 100 $10.00

STANDARD JAPS.

The following can be used for benching, exhibition, or cut flowers.

Aug. Dasse. Golden yellow.
Chieftain. Very pleasing shade of pink. Incurved.
Chas. Razer. Incurved white, large, good stem.
Crystal Gem. White, very early. **Each 50c.**
Chrysolora. Incurving, rich yellow. **December Gem.** White.
Dolly Dimple. Late. Yellow. Large flat flowers on rigid stems.
Dr. Enguehard. Silver Pink. Late flowering.
Early Frost. Very Early; white, incurving.
Elveron. Deep pink; late, incurving.
F. S. Vallis. Pure yellow. Long flowering petals.
Golden Queen. Deep yellow. Midseason, large blooms. **Each 75c.**
Glenview. Red with bronze reflex. **Harvard.** Crimson.
Marigold. The brightest yellow. **Each 50c.**
Marvella French. White, Improved White Chadwick. **Each 35c.**
Mrs. G. C. Kelly. Rosy crimson, very distinct.
Modello. Golden amber. **Each 75c.**
Nakota. Orange buff. **Naomah.** Large incurved white.
Oconto. Clear white.
O. K. Kahne. Bronze with a light buff reflex.
Petite Morcel. Rosy mauve, straight thread-like petals.
Pink Gem. Pink.
Pauline Anderson. Improved Yellow Chadwick. **Each 35c.**
Roman Gold. Bronzy yellow. **Romance.** White.
Smith's Advance. Small white. Very early.
Smith's Sensation. Incurving pink. Early.
Timothy Eaton. Large white. **Wells' Late Pink.** Mauve pink. Late.
Wm. Mease. Cerise. Midseason.
White Chieftain. Same shape as Pink Chieftain, incurving.
Yellow Eaton. Golden yellow. Late.

All strong plants from 2½-in. pots.

Price, except where noted, each 15c; doz. $1.50; per 100 $8.00.

We would advise where collection is wanted to leave selection to us, which will insure variation in color, time of flowering, etc.

FOR POT CULTURE

Following varieties are most adapted for plants of all decorative sizes and are used extensively for conservatory and house plants.

Aug. Dasse. Golden yellow.
Greystone. A very beautiful golden bronze. Very attractive.
Early Frost. White.
Chieftain. Delicate shade of pink, incurving blooms.
Harvard. Bright crimson.
Mrs. W. Buckbee. The best white for pot work.
Mrs. F. Beu. Bronze.
Marion Newell. Pleasing shade of pink.
May Foster. Snow white.
Mutual Friend. White, medium height.
Mrs. W. Duckham. Yellow, drooping petals.
Old Gold. Deep yellow; large size.
Pink Gem. Pleasing shade of pink. Incurved.
Smith's Sensation. Lighter in color than Chieftain. Good grower.
The Bard. Dark crimson, very free flowering.
Butler's Caprice. Red. Very dwarf. Compact habit.
Mrs. Greening. Pink. Very dwarf. Compact habit.
White Caprice. Very dwarf. Compact habit.
Yellow Caprice. Very dwarf. Compact habit.

Price, from 2½-in. pots, each 15c; doz. $1.50; per 100 $10.00.

EARLY OUT-DOOR VARIETIES

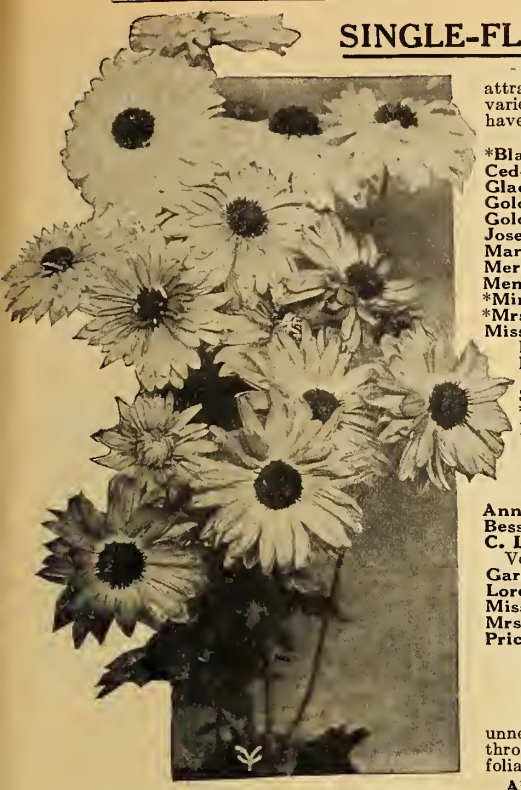
The following varieties are a cross between French Varieties and the Hardy English varieties and have gained popularity in this country during the past two years, as, with slight protection they will withstand our severe winters. Care should be exercised in planting these in early Spring, so that they establish themselves for the vigors of our Winters, and not planted in the Fall.

Arlington. A new type and color of the hardy varieties. Dark crimson, an early bloomer and continuous until late November. **Each 35c.**
A. Barham. Bronze; incurving.
Alice. White, borne on clusters, very free and early.
***Carrie.** Flowering the end of August. Yellow and in cluster form.
***Carpet of Snow.** White, flowering the end of August and in clusters.
Cranfordia. Large yellow flowers on single stems measuring 6 inches across.
Cranford Pink. Deep pink. Large flowering.
Framfield. Early white. Starting to flower in August. Large white cluster, very free.
Firefly. A reddish bronze; flowers very early and continues until late frosts arrive.
Gustave Grunnerwald. Light pink.
Goacher's Crimson. the best of all crimsons, but not so free as others.
***Horace Martin.** A golden yellow, sport of Marie Masse.
***LePactole.** Very pleasing shade of bronze; free and early.
***Marie Masse.** Deep pink; very free and dwarf.
Miss F. Collier. Large white flowers borne on very stiff stems, height about 30 inches.
***Normandie.** Blush pink; very dwarf and free flowering.
Pink Harbinger. Rose pink.
***Wells' Masse.** A white sport of Marie Masse and the same style growth and habit.
White Countess. Large white flowers; medium early, height about 3 feet.

The earliest flowering and dwarf varieties of the above are marked with an asterisk (*). A very good combination is had by using the taller varieties in Perennial or other borders, with the dwarf varieties as an edging.

Price, except where noted, each 15c; doz. $1.50; per 100 $10.00.

SINGLE-FLOWERED CHRYSANTHEMUMS



SINGLE CHRYSANTHEMUMS

During the last three or four years this type has become an attraction to all Chrysanthemum growers, and several of the following varieties, not only being used for conservatory and greenhouse work, have proven to be hardy and very attractive for outdoor cultivation.

☞ Varieties marked thus (*) are Hardy.

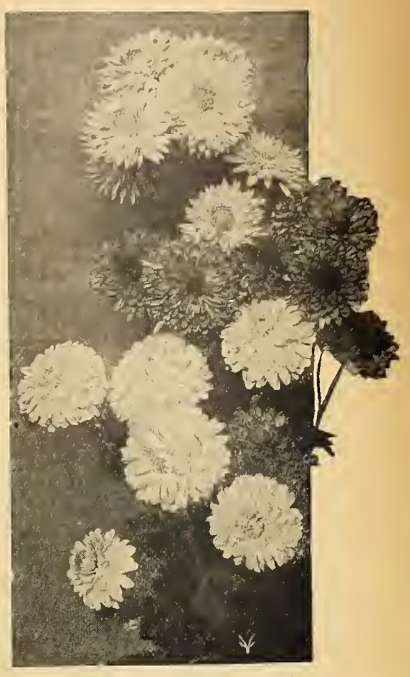
*Blazing Star. A fiery crimson.
Ceddie Mason. Dull crimson.
Gladys Duckham. Largest white single.
Golden Star. Bright yellow, medium size.
Golden Mensa. Pale yellow, and two rows of petals.
Josephine. Large yellow, measuring four inches across.
Margaret Sargent. Lavender pink. Very free.
Merstham Jewel. Golden bronze with lighter points of the petals.
Mensa. Pure white with yellow center and two rows of petals.
*Minnesota. Bright crimson.
*Mrs. E. D. Godfrey. Pink with lavender shadings.
Miss. M. Ottler. Yellow; habit of plant vigorous.
Polly Duncan. Lemon Yellow with short petals.
R. B. Burge. The purest white with bright yellow center, similar to pond lily; not a very robust grower.
Stanley Ven. Pleasing rose color; very free.
*W. Buckingham. Large rose pink.

Price, from 2½-in. pots, each 15c; doz. $1.50; per 100, $10.00.

ANEMONE-FLOWERED

Anna. Light pink, yellowish cushion.
Bessie Flight. Rose pink, small cushion.
C. L. Hutchinson. Large white, pointed petals, small high cushion. Very attractive. **Each 25c.**
Garza. Medium size white, used extensively for sprays.
Loretta. Medium size yellow.
Miss Warner. Flesh pink.
Mrs. Harry Eland. Deep, large cushion.

Price, except where noted, each 15c; doz. $1.50; per 100, $10.00.



POMPON CHRYSANTHEMUM

HARDY POMPON VARIETIES

These are so well known to all that further explanation is unnecessary. These Button varieties are hardy and are well known throughout the country for their beauty combined with the Autumn foliage in the early days of Fall, lasting along into the early Winter days.

Aileen. Rose pink.
Baby. Very small flowered yellow.
Bijou Rose. Rose pink; very early.
Charlotte. Very bright bronze and very early.
Diana. Pure white.
Elva. Early white, very free.
Fairy Queen. The earliest of all pinks.
Golden Climax. Golden yellow, and large button type. **Each 20c.**
Golden West. Bright yellow. **Each 20c.**
Helen Newberry. White, large flowers.
Ida. Lemon yellow; very early.
Jules La Gravere. Crimson; medium height, mid-season.
Katie Manning. Reddish bronze, early.
Klondyke. Pale yellow with small button flowers.
Lilian Doty. Early pink; large ball-shaped flowers.
Lulu. Creamy white, large clusters.
Mike Goble. Early yellow, very free.
Miss Seeley. Early flesh pink.
Minta. Deep pink; early.
Princeton. Bronze.
Prince of Wales. White; medium height.
Skibo. Early; light bronze.
Uneeda. Deep yellow; early.
Zoda. Rose pink; early.

Price, except where noted, each 10c; doz. $1.00; per 100, $7.50.

Dry Roots ready at any time

Vaughan's Dahlias

Young Plants ready in May

In the following list we offer what we consider the very best of the foreign and American Dahlias, which we observed in our extensive trials last season when we were enabled to select for variety of form and color, freedom and perfection of bloom and length of season, the following very complete assortment.

The New **Peony-flowered Varieties** illustrated on next page were raised by a notable Continental grower. A glance will show their distinct and attractive outline, and the colors will be found most facinating.

They have won numerous awards at various European shows.

We offer all pot-grown plants, with the exception of those also offered in roots at end of page 117.

Contrary to public opinion we maintain that Dahlia plants are always superior to dry roots, and are willing to take the responsibility of recommending them.

While roots may generally be planted by April 25th, it is hardly wise to set out the growing plants until **May 10th to 15th,** but with good care and soil, the started plants make such strides of growth as to surpass earlier plantings.

Full cultural directions accompany every order.

Please state if you want a substitute if our supply of any is exhausted.

Dry roots may be had any time, as long as the stock lasts; plants from 2½ in. pots can be supplied **after April 15th.**

All except the special offers of large field clumps of unnamed and mixed Dahlias, are sent **prepaid to any post or express office in the U. S.**

CACTUS DAHLIAS

The cactus forms of Dahlias are exceedingly beautiful, and are hard to excel. They have long twisted petals and embrace nearly all the colors and shades to be found in any of the other types. The advances made in these in recent years is very noticeable, some charming blends of color being introduced, together with a form of flower which is a great improvement on the old varieties. To produce the finest flowers most of the side shoots or laterals should be pinched out when the plants get strong, leaving the terminal buds, which then make fine flowers.

CHOICE AND RARE SORTS

Price except where noted, green plants, each, 20c; 3 for 50c; doz. $2.00.

Alpenrose. A fine flower with twisted petals, very light pink changing to white on outer petals. Free bloomer. **Each, 25c; doz. $2.50.**
Countess of Lonsdale. A delicate apricot shading towards the edges of the petals to carmine pink. Early and one of the very best.
Gunther. Pure white, splendid form, flowers on long stems well above the foliage, a free bloomer and a good keeper.
Master Carl. Bright amber. A gigantic flower of perfect form with immense and gracefully curved petals. One of the finest. **Each 25c; doz. 2.50.**
Mrs. Ferdinand Jeffries. Rich, deep velvety garnet, of very large size, petals curved and twisted. **Each 35c; doz. $3.50.**
Mrs. Geo. Stevenson. Bright yellow. Large blooms with long and narrow petals. Flowers borne on long, wiry stems well above the foliage. Very free blooming.
Mrs. Henry R. Wirth. We always have recommended Countess of Lonsdale as a Dahlia of free flowering habit and that every flower it produces is perfect. Mrs. Wirth is a splendid companion to this, having all the qualities of the former. In color a rich glowing intense scarlet. **Each 35c, doz. $3.50.**
Rheinkonig. Pure snow white flowers of splendid form, 5 inches and over in diameter. These are of great substance, lasting splendidly when cut; they are borne on long, stiff stems held well above the foliage, making it as valuable for garden decoration as for cutting. **Each 25c; doz. $2.50.**
Vater Rhein. A large and beautiful flower borne on long stiff stems. The salmon in the center, shades to a pleasing rose at the tips. **Each, 25c; doz. $2.50.**
Wolfgang von Goethe. A most charming sort, with large, perfect flowers of a rich velvety apricot color. **Each 35c; doz. $3.50.**

SPECIAL OFFER No. 116A. 1 each of above 10 choice Cactus Dahlias for **$2.00.**

STANDARD CACTUS SORTS

Price, except where noted, Green Plants, each 15c; doz. $1.50.

Aurora. An attractive soft pink, slightly tipped white, brilliant golden in the heart. One of the best Dahlias for exhibition, being colossal in size, elegant in form, most perfect in type and of the most exquisite coloring. **Each 25c; doz. $2.50.**
Charles Clayton. Color is a most intense red, as vivid as to dazzle the eye. Flowers are large in size and are produced freely. Stems are long, holding the flowers well above the foliage. **Each 20c; doz. $2.00.**
Dainty. The ground color is lemon yellow, which shades lighter as the season advances, at which time the color approaches canary yellow at the base of the petals. Half-way from the base of the petals one notices the beautiful rose-pink. The tips of the petals are golden and the flowers are produced on long, stout stems. **Each 25; doz. $2.50.**
Flora. An ideal white with large heavy flowers on stout stiff stems. A valuable cutting variety. **Each 20c; doz. $2.00.**
Frau Hermine Marx. A beautiful pink, splendid for cut flowers. Very similar in color to the La France rose and a good bloomer.
Holsatia. Orange scarlet. One of the freest flowering Cactus Dahlias and perfect in form. Flowers are borne on long, stiff stems.

CACTUS DAHLIAS—Continued

Lawine. A pure white of good form, very free and early-flowering. **Each 20c; doz. $2.00.**

Parzival. One of the earliest and freest flowering of the white Cactus varieties, the flowers are large, of good form, creamy white, produced on fine stems well above the foliage. **Each 25; doz. $2.50.**

Pink Pearl. Mellow pink at the base of the petals, shading off gradually to white at the tips, the effect being a soft, rosy pink. Fine for cutting.

Rother. A beautiful dark velvet crimson. The flowers are of perfect shape, very early, free flowering and dwarf in habit. **Each 20; doz. $2.00.**

Strahlenkrone. Intense cardinal red, rich and glowing, with long twisted petals. A very early and profuse bloomer.

Spotless Queen. Purest white. An excellent variety for cut-flower purposes.

Uncle Tom. A deep velvety maroon, almost black.

Volker. Clearest canary yellow; large, exquisite Cactus form. An early and profuse bloomer, the plants being literally covered the entire season.

SPECIAL OFFER No. 116. One each of the above 14 Standard Cactus Dahlias for **$1.35.**

VAUGHAN'S NEW PEONY-FLOWERED

These five new Dahlias, leading varieties for season 1916, are worthy of notice.

Bianca. Large type flowers of lovely pink lavender color. Very free flowering. Long stalks. **Each, $1.00.**

John Wanamaker. This is an ideal among the Peony-flowered varieties, its color is an exquisite and fashionable shade of rose-lake, or, as popularly called, orchid-pink. As the flower develops the color softens, and must be seen to be fully appreciated. **Each, $1.00.**

Mrs. J. C. Vaughan. Lovely bright clear yellow flowers, long stalks, flowers are large and very attractive. For color and outline this flower is absolutely unique, and has won many medals and cups in Europe. A good grower the flowers standing well over the foliage. **Each, $1.00.**

Professional. Bright poinsettia-red, with a distinct yellow disc, making a charming and effective contrast. A distinct variety of unique coloring, producing flowers of exhibition size throughout the season, borne on long, strong, wiry stems. **Each 75c.**

Yellow King. One of the finest Peony Dahlias ever shown, clear yellow, and large elegant flowers on long stiff stalks. **Each, $1.00.**

SPECIAL OFFER No. 116A. One each of the above 5 grand varieties for **$4.00.**

PEONY-FLOWERED—Standard Kinds

Peony-flowered Dahlias are those having irregularly curved and twisted petals and are as beautiful as they are odd.

Price, except where noted, each 20c; 3 for 50c; doz. $2.00.

Germania. Brilliant carmine, four rows of petals, compact growth.

Glory of Groenekan. Orange yellow, extra large flower.

Geisha. The showiest and most attractive of this type. The flower has peculiarly curved petals, a rich combination of scarlet and gold, the center being yellow, which becomes suffused, and deepens to scarlet at the center of the petals, shading off lighter at the edges. **Each 35c; doz. $3.50.**

La Riante. Deep pink flowers. An excellent variety. **Each 35c, doz. $3.50.**

Paul Kruger. White and red flowers on very long stems.

Propagantea. A fine flower of primrose yellow, with rosy salmon suffusion, long stem. **Each 35c; doz. $3.50.**

Queen Emma. A charming shade of hollyhock-pink, the inner petals margined with gold. A very large and magnificent sort.

Queen Wilhelmina. This is a splendid variety of this new type with immense pure white flowers, with yellow center. It is very free-flowering and the flowers are produced on good stems, making a fine variety for garden decoration.

SPECIAL OFFER No. 116B. 1 each of the 8 Peony-flowered Dahlias for **$1.75.**

DECORATIVE DAHLIAS

Decorative Dahlias are known by their large flowers and flat petals, being intermediate between the Cactus and Show types. Among these varieties will be found those mostly used for cut-flowers since they are those having the greatest substance and are the best shippers. Those we include are the result of careful selection.

CHOICE AND RARE KINDS

David Harum. Bright orange scarlet with deep crimson shadings. Large flat flowers measuring 6 to 7 in. across. Thick, wide petals, full to the center. Flower stalks are strong and hold the flowers up well above the foliage. Very free blooming and early. We consider this one of our finest Decorative Dahlias. **Each 25c; doz. $2.50.**

Delice. The finest pink Decorative Dahlia. Its beautiful soft, yet lively color, a glowing rose-pink, borne on long stiff stems, holding its flowers well above the foliage, makes this one of the most decorative sorts in the garden. It is also very valuable as a cut flower as it retains its freshness longer than most varieties. **Each 25c; doz. $2.50.**

Grand Duke Alexis. Pure white shading to a most delicate and charming shell pink. This grand Show Dahlia is one of the finest of that type. Flowers are mammoth in size, beautifully quilled and double. Very free and early. **Each 25c; doz. $2.50.**

Henry Patrick. A pure waxy white. It blooms very freely, producing flowers from 5 to 7 in. in diameter. **Each 20c; doz. $2.00.**

Jeanne Charmet. Bright pink with crimson edges. Flower 7 to 8 in. in diameter, with long, wide loosely formed petals. Center covered with short petals. Flowers borne on fine long stems. Early and extra fine. **Each 25c; doz. $2.50.**

Mad. Van den Dael. A soft rose with deeper markings, shading to creamy white in center. A splendid variety for cutting. **Each 25c; doz. $2.50.**

Manzanita. Flowers very large and double, borne well above the leaves. Color, velvety deep scarlet. An early and free bloomer. **Each 25c; doz. $2.50.**

Majestic. 4 to 5 ft.; decorative, light scarlet, salvia-color; whole plant, covered with bloom; the great flowering Dahlia. **Each 25c; doz. $2.50.**

Princess Juliana. A fine white, large and of splendid form. Early and free flowering. Strong stems. Fine for cutting. **Each 25c; doz. $2.50.**

Virginia Maule. A most delicate blush or shell pink. A great improvement over Mrs. Roosevelt. The World's Best shell pink. The immense flowers are borne with stately grace on long, erect stems. The plant is very strong and vigorous, growing 4 to 5 ft. high, branching habit, blooming early and profusely. **Each 20c; doz. $2.00.**

SPECIAL OFFER No. 116C. 1 each of the 10 Decorative Dahlias for **$2.00.**

STANDARD SORTS

Price, except where noted, Green Plants each, 15c; 3 for 40c; doz. $1.50.

E. W. Bruton. A fine bright yellow, very large flower.

Crimson Giant. Deep crimson flowers of immense size.

Coronna. A pure white, usually from 2½ to 3 inches in diameter, of most perfect form and remarkably free flowering. **Each 20c; doz. $2.00.**

Jack Rose. A rich velvety crimson like that of the Jacqueminot Rose from which it derives its name. A grand variety, splendid for cutting; flowers are full in center, measuring 6 to 7 in. across. **Each 20c; doz. $2.00.**

Kaiserin Augusta Victoria. Pure white flowers borne in great profusion on erect, stout stems, fully 18 in. long, all above foliage, The immense, perfect flowers can be kept in flower until Thanksgiving. One of the most valuable Dahlias, growing about 30 in. high and not requiring support of any kind. **Each 25c; doz. $2.50.**

Lyndhurst. A rich and brilliant cardinal red. Fine for cut flowers. **Each 20c; doz. $2.00.**

Miss Minnie McCulloch. This is a splendid variety, the color is a soft yellow overlaid with bronze; very handsome under artificial light. The stems are strong. It is a good keeper and makes a good cut-flower. **Each 20c; doz. $2.00.**

Mrs. Chas. Turner. Pure yellow. A strong grower and profuse bloomer of immense size.

Mrs. P. Wyndham. Apricot shaded to salmon in center. Very free and early with wide flat petals. The flowers are large and flat.

For varieties of which we offer roots see end of opposite page.

DECORATIVE DAHLIAS—Continued

Perle de Lyon. This is the best white Decorative Dahlia to date. The flower is perfect in form, pure in color, very free flowering and produced on fine long stems. As a cut flower variety it is a decided acquisition. **Each 20c; doz. $2.00**

Queen of Yellows. A beautiful clear color.

Sylvia. White shading to soft pink on the outer petals which are of great substance. The flowers measure about 5 in., are fine in form and full to the center, making it a great shipper. The plant is a strong and healthy grower.

Wm. Agnew. The richest shade of intense, dazzling red. Flowers are large, measuring more than 5 in. in diameter. **Each 20c; doz. $2.00.**

SPECIAL OFFER No. 117. 1 each of the 13 Standard Dahlias for **$1.75.**

SHOW AND FANCY DAHLIAS

Show Dahlias are usually of solid color but in certain varieties the tips of the petals may be of another. They are usually round, ball-shaped, and are always beautiful and compact, desirable for cut flowers.

Price, Green Plants, each 15c; 3 for 40c; doz. $1.50.

A. D. Livoni. A beautiful soft pink flower with quilled petals, full to the center. An early and profuse bloomer.

Black Diamond. A rich velvety maroon shaded jet black. An early and free bloomer with immense flowers, full and regular in form. The plant is a strong vigorous grower with dark, glossy foliage.

Bonnard's Yellow. A deep yellow, extra large flowers on long stiff stems.

Frank Goodman. Rich purple, tipped white, distinct.

John Walker. Pure white, Flowers are full and beautiful.

Mrs. Dexter. Reddish apricot, very large and full flowers.

Red Head. Deep red, large flowers, of dwarf, free blooming head.

Storm King. Still the finest of all white Show Dahlias. An extremely early, profuse and constant bloomer, a strong vigorous grower of branching habit, producing large, perfect shaped flowers on long stiff stems. Fine cut flowers.

Yellow Duke. Pure canary yellow, large size flowers on good stiff stems.

SPECIAL OFFER No. 117A. 1 each of the 9 Show Dahlias for **$1.10.**

COLLARETTE TYPE

These have been very popular for some years, we here offer 4 of the best for general use.

Price, each 25c; 3 for 65c; doz. $2.50.

Director Rene Gerard. Large flowers and perfect ground color, creamy white, suffused and marked with French purple, long creamy-white collar petals.

Mme Gygax. A bright cochineal-red, passing to yellow tips, very long primrose-yellow collar petals.

Pres. Viger. Rich claret, shaded lighter at the edges with pure white collar, occasionally rose tinted. Striking and distinct.

Souvenir de Chabanne. Very attractive, ground color lemon-yellow with coral red marking, collar petals long, lemon-yellow tipped white.

SPECIAL OFFER No. 117B. 1 each of the 4 Collarette varieties for **80c.**

Unnamed Double Dahlias. Undivided field clumps in white, pink, yellow or red; good sorts, **each 25c; doz. $2.50, by express.**

Mixed Double Dahlias. Undivided field clumps, **each 15c; doz. $1.50, by express.**

Mixed Single and Double Dahlias. Undivided field roots, **each 15c; doz. $1.50, by express.**

COUNTESS OF LONSDALE. (See Page 115)

DECORATIVE DAHLIA, DELICE

POMPON DAHLIAS

Under this head come those small Bouquet Dahlias that are so popular for cut flowers. Their small size makes them invaluable for bouquets and their range of color is as great as any of the preceding classes.

Price, Green Plants, each 15c; doz. $1.50.

Anna Londorff Yellow, streaked and blotched carmine.

Elegante Bright pink flowers of perfect form with beautiful quilled petals.

La Petite Barbara The best white Pompon. Free flowering.

Little Herman Deep red, tipped white.

SPECIAL OFFR No. 117C. 1 each of the 4 Pompon varieties for **50c.**

SINGLE DAHLIAS

These are rapidly coming into favor every year on account of their profuse blooming and handsome colors, rendering them invaluable for bouquets. We list the following varieties as being the very best as to color and size of flower.

Price, except where noted, Green Plants, each 15c; 3 for 40c; doz. $1.50.

Gold Standard Pure yellow flowers borne on long, graceful stems of finest form and texture and of largest size.

Merry Widow (Lustige Wittwe.) Deep scarlet flowers measuring 4 to 5 inches, of gigantic size on stems 15 inches long. The color is so exceedingly bright that a single plant makes an effective showing. The plant attains a height of only 3 ft. but from the bushy plant arise 30 to 50 flowers.

Praxiteles Velvet purple, tipped white. An early and extremely profuse bloomer, making a distinct, unique and striking plant.

Wildfire. The most brilliant fiery scarlet on our list. Flowers very large.

SPECIAL OFFER No. 117D. 1 each of the 4 Single varieties for **50c.**

"NEW CENTURY" SINGLE DAHLIAS

They are all of free-branching habit, flowering early, profusely and continuously throughout the season; flowers 4½ to 6 in. across, on stems 3 ft. long, and when cut keep in good condition for many days.

Price, Green Plants, each 20c; 3 for 50c; doz., $2.00.

Maroon Century. A beautiful, rich maroon, with a large yellow center. Erect and free flowering.

Pink Century. Delicate soft pink, similar to Twentieth Century and an equally profuse bloomer, the largest and finest of the set. Strong and vigorous with fern-like foliage.

Scarlet Century. Brightest dazzling scarlet, golden disc. Immense flowers of fine round form, very profuse in flowering.

Twentieth Century. Intense rosy crimson with white tips and white disc around the yellow center. As the season advances the dark colored zone becomes lighter and the color contrast is exquisite. Flowers very large, 5 to 6 in. in diameter.

White Century. A beautiful snow-white of immense size 6 to 7 in. in diameter, making a fine show.

SPECIAL OFFER No. 117E. 1 each of the 5 Single Century varieties for **75c.**

DAHLIA ROOTS

We can supply the following varieties as long as the stock lasts.

Price, except where noted. Each 25c, doz. $2.50, by express.

A. D. Livoni
Bonnard's Yellow
Countess of Lonsdale. Each 35c; doz. $3.50
David Harum. Each 35c; doz. $3.50
Delice. Each 35c; doz. $3.50
Frau. H. Marx
Holsatia
Jeanne Charmet. Each 35c; doz. $3.50
Jack Rose
Lyndhurst
Miss Minnie McCullough
Maroon Century
Pink Century
Red Head
Sylvia
Scarlet Century
Wm. Agnew
Yellow Duke

BOX AND BAY TREES

FOR PORCHES, VERANDAS, ETC.

STANDARD BAY TREE

PYRAMIDAL BOX TREE

GLOBE SHAPED BOX TREE

BUSH SHAPED BOX

BAY TREES

There is nothing to approach these handsome trees for decorating porches, piazzas or hall entrances, and they are largely used for stately effects in formal gardens.

The oval leaves are a dark olive green and sweet scented. Will stand only slight frost. We handle a large stock of valuable and shapely specimen trees grown in standard and pyramidal form.

Standard or Tree Shaped

Stem.	Crown	Each	Pair
30 to 36 in.	24 in.	$ 9.00	$16.50
42 to 45 in.	26 in.	10.00	18.00
42 to 45 in.	28 in.	12.00	22.00
42 to 45 in.	30 in.	15.00	28.00
45 to 48 in.	34 in.	18.00	34.00
45 to 48 in.	40 in.	22.00	40.00

Dwarf Baby Standards

Stem	Crown	Each	Pair
24 to 30 in.	24 in.	$10.00	$18.00

Pyramidal Trees

Height	Base	Each	Pair
5 ft.	24-26 in.	$12.00	$20.00
6 ft.	26-28 in.	14.00	26.00

BOX TREES

Sheared into compact shape these Box Trees make beautiful specimen plants in any form and can be used for all decorative purposes like the Bays, but at less expense. The Bush plants can also be used with telling effect for window boxes. All except the bush shaped plants are in plain, green tubs.

Pyramidal Shaped

Height	Each	Pair
2½ ft.	$ 3.00	$ 5.50
3 ft.	4.00	7.50
3½ ft.	4.25	8.00
4 ft.	6.50	12.00
5½ ft.	12.00	20.00

Tree Shaped

Stem	Crown	Each	Pair
15 in.	12 to 14 in.	$1.75	$3.25
12 in.	12 in.	1.50	2.75

Globe Shaped

Stem	Crown	Each	Pair
15 in. high	15 in. diameter	$4.00	$7.50
18 in. high	18 in. diameter	5.00	9.00

Bush Shaped

Height	Each	Pair	Doz.	100
10-12 in.	$0.50		$5.00	$38.00
18 in.	.85	$1.60	9.00	
24 in.	1.50	2.50		
30 in.	3.25	6.00		
36 in.	5.50	10.00		

SURPRISE COLLECTIONS OF CHOICE PLANTS

All orders for these Surprise Collections will he acknowledged and entered on our hooks as received. We shall commence sending out the same hy **MAY 25,** except where noted, and all will he sent within two or three days from date. We cannot send them out before the above mentioned date.

This, then, is the object of offering these "Surprise" Collections regardless of value. The plants are not inferior or worthless stock, heing surplus, and are often **valuable high-priced varieties, but not named.** The consumer is therefore ahle to get much for little and no space should be allowed to grow wild, untilled and uncared for.

Surprise "Canna" Collection

10 DIFFERENT VARIETIES OF THE NEW EVER-BLOOMING CANNAS
For 75c, prepaid
Includes crimson, scarlet, yellow spotted, gilt edged, orange, bronze-leaved large flowering kinds.

Surprise "Dahlia" Collection

12 for 75c, prepaid
We will include in this collection 12 Dahlias selected from our grand collection of varieties. All different. This collection would be cheap at douhle the price.

Surprise "Geranium" Collection

12 BEAUTIFUL GERANIUMS
For 65c, prepaid
Single and douhle from 2½ in. pots.

Surprise "Shrub" Collection

Ready May 1st
For $1.00 we send 6 Hardy Ornamental Shruhs, our selection of sorts, 2 to 3 feet high hy express at customer's expense. These will be first-class hushes.

Surprise Collections of Garden Roses

(See page 121)

Surprise "Chrysanthemum" Collection

12 CHRYSANTHEMUMS
ALL DIFFERENT AND DISTINCT SORTS—LARGE FLOWERING
This collection will be made up of best sorts only.
For 75c, prepaid. Ready May 20th

Surprise "Hardy Chrysanthemum" Collection

18 STRONG PLANTS, ALL COLORS
For $1.00 prepaid
Ready May 20th

Surprise Collection "Hardy Perennials"

Ready May 1st
For $1.00 we will send by express, at buyer's expense, 20 **Choice Hardy Perennial plants,** all different, regular price $1.50 per dozen.

A Model Combination Bed—10 Feet in Diameter (See cut page 113).

Center.....1 Castor Bean
1st row, 36 in. Diameter, 6 Canna King Humhert .....18 in. apart
2nd row, 66 in. " 14 Pennisetum Longistylum.....15 in. apart
3rd row, 90 in. Diameter, 23 Geranium S. A. Nutt.....12 in. apart
4th row, 106 in, " 40 Geranium Mme. Salleroi..... 8 in. apart

The Collection Complete in Small Size plants, $6.50; Large Size plants, $9.00. By express at buyer's expense.

We do not hesitate to recommend this hed to our customers as heing very desirahle not only for furnishing a fine variety of plants which harmonize well at a very low cost, hut also hecause it may he increased in size easily without losing its proportions and attractiveness, In fact we find that the larger sizest are hetter hecause the beauty is emphasized.

It must he horne in mind that the Castor Bean, Pennisetum, and Mme. Salleroi Geraniums are rapid growing and come to maturity sooner than the rest of the plants in the collection and nothing is to he gained by getting large plants of these. It is for this reason and no other that we do not attempt to supply plants of these larger than those from 2½-in. pots. This must he understood when we quote on the "Larger Size."

Larger Sized beds priced on request.

VAUGHAN'S ROSES

HADLEY

WE again take pleasure in submitting our revised list of roses, new varieties of approved merit having been added, and some of the older ones discarded. We grow roses for stock purposes only, not for a cut-flower trade. Our bushes are therefore not exhausted by bearing a quantity of flowers and consequently produce stronger wood, which is selected for the propagation of our young stock. These are grown under the personal supervision of an expert, are *wintered* in a temperature as low as is essential for their successful culture, and are strong bushy plants, with clean, healthy, well ripened wood.

All orders are handled and packed by experienced hands, and we guarantee safe arrival at destination. With special fast train service in every direction from Chicago, our mail and express packages of all greenhouse plants are much more satisfactorily handled **than from cities less centrally located.**

Ask for our pamphlet, **"How to be Successful With Roses."**

Choice Hardy Hybrid Tea Roses

The following are extra quality stock ready for shipment in April, 1916
Special rates for larger quantities.

Betty. Coppery yellow, overspread with golden rose; long, pointed bud and large full flower. When established this is a strong-growing and a prolific variety. Strong 2-year only **50c each; doz. $5.00.**

Hoosier Beauty. Large full well formed flowers of deep rich crimson with darker shadings to center, very free in growth, mildew proof, and fragrant; fine exhibition and garden rose, described by the raisers as the finest red rose. 2½ in. pots, **each 25c; doz. $2.50;** 4 in. pots, **each, 35c; doz. $3.50.** Strong 2-year, **each, 50c; doz. $5.00.**

The New Polyantha

(BABY DOLL) "Provisional Name"

An entirely new color and very startling in its brilliancy. A golden yellow tipped with clear bright cerise. The foliage long and sharply pointed a deep glossy green. The habit is similar to Cecil Brunner. Dwarf grower, a splendid bedder. Can be used in borders, etc. 2½ in. pots, **each, 50c; doz. $5.00;** 4 in. pots, (ready May 1st) **each, 60c; doz. $6.00.**

Countess Clanwilliam. Strong, vigorous, upright wood, producing its flowers in endless abundance. Flowers very large and full, buds long and pointed, opening to large, full, high centred flowers of great beauty and refinement. Color delicate peach pink at the base of the petals, which are flamed and heavily edged with deep cherry red, a beautifnl contrast of color which brings out in great distinctness the strong individuality. Gold Medal. Strong plants, 2½ in. pots, **each, 25c; doz. $2.50.**

Duchess of Wellington. Intense saffron yellow, stained and flushed crimson, changing to deep saffron coppery yellow, long pointed, full flowers, a splendid bedding rose. Strong 2-year, **each, 75c, 3 for $2.10; doz. $7.50.**

George Arends. Beautiful clear light pink, fine, moderately full flower. Free-blooming, vigorous and fine for cutting, having excellent lasting properties, 2-year dormant, **each, 50c.**

Hadley. Hadley is a development from a line of seedlings raised by Alex. Montgomery, Jr., the varieties used in this development being Liberty, General McArthur and Richmond. In color it is deep, velvety crimson, retaining its brilliancy at all seasons of the year. The variety is double and buds are well formed. The fragrance is excelled only by American Beauty. 2½ in. pots, **each, 25c; doz. $2.50;** 4 in. **each 35c; doz. $3.50.** Strong 2-year, **each, 50c.**

Lady Alice Stanley. Deep, clear rose color; inside of bloom pale flesh. A very attractive Rose. The blooms are large, of great substance, and are produced freely. The Rose is exceptionally hardy. 2 year, **each, 50c; doz., $5.00.**

Mrs. Charles Russell. A strong growing rose. The foliage is heavy and leathery, inclined to slightly curl on the older wood; is almost mildew proof. The bud is fully as large as American Beauty, but longer and pointed, and opens into a flower of unusual beauty. The color is a bright rose pink, deeper in the center. 2½ in. pots, **each, 25c; doz. $2.50;** 4 in. **each, 35c, doz. $3.50;** Strong 2-year dormant, **each, 50c.**

Mme. Abel Chatenay. This splendid rose is one of the best of its color; rosy carmine, with darker shade. It has wonderfully beautiful flowers, which are full, deep and double; very hardy, a strong grower and free bloomer. 3½ in. pots, **each, 25c; doz. $2.50.** Strong 2-year dormant, **each, 50c.**

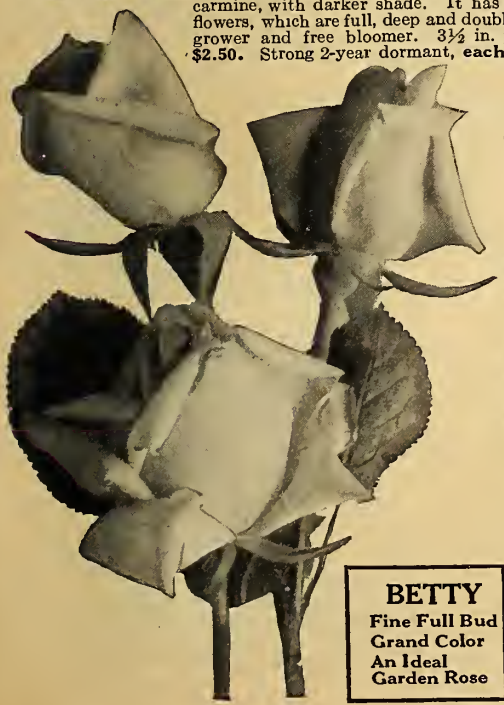
Mrs. Geo. Shawyer. This rose is without exception, the finest pink rose for outdoor planting that has ever been sent out. Growth is free and continuous. Stems are long and the flowers, unlike practically every other pink rose, do not bleach in the sun but open to a lovely shade of rose pink, a trifle deeper than Mrs. John Laing. 2½ in. pots, **each 25c; doz. $2.50;** 4 in. pots, **each, 35c.** Strong 2-year dormant, **each, 50c.**

Madame Edouard Herriot (Pernet Ducher). "The Daily Mail Rose." This rose has attracted more notice than any other rose that has ever been introduced. It has won gold medals in England at the International Show, in June, 1912, and again in 1913. The flower is not particularly large, but the color is almost impossible to describe. It is a gorgeous combination of reddish terra cotta with flame-colored shadings. No two artists will agree on the color of this rose. It is a splendid grower with burnished green foliage and possesses great vitality, and, like many of the new Pernetiana type, mildew proof. 2½ in. pots, **each, 25c; doz. $2.50;** 4 in. **each, 35c.** Strong 2-year dormant, **ea. 50c.**

Ophelia. Color, clear bright salmon often deepening toward golden pink; wonderfully fragrant, with long pointed buds and stiff stems. Large, handsome foliage showing that it is a wonderfully free bloomer and grower and not prone to mildew. Growth free and continuous under all conditions. 2½ in. pots, **each 25c; doz. $2.50;** 3½ in. **each 35c.** Strong 2-year dormant **each, 50c.**

Prince E. C. De Arnberg. A red rose of great promise. This rose has a lively clear color, scarlet with deeper shadings, not inclined to turn blue and is especially lively under artificial light, holding its color as the flower lasts. The bud is heavy and pointed, developing into a beautiful full flower of great size and finish. This variety produces no deformed buds and is a quick and continuous grower. The growth is heavy and free with thick leathery foliage which is free from mildew or blackspot and is one which any one can grow. 2½ in. pots, **each 25c; doz. $2.50;** 4 in. **each, 35c; doz. $3.50.** Strong 2-year dormant, **each, 50c.**

Rayon d'Or, or Golden Rays. A gorgeous new golden-yellow Rose. A vigorous, strong grower, with glossy foliage. Flowers large, of globular form, color yellow cadmium as the buds begin to expand, toning to golden-yellow as they fully develop; a superb Rose. Strong 2-year, **each, 50c.**


BETTY
Fine Full Bud
Grand Color
An Ideal Garden Rose

Pot Grown Plants (ON THEIR OWN ROOTS)

Cynthia Forde. A delightfully fragrant large double rose of deep shining pink. Sure to be a favorite, it is so free blooming and has such fine long stems. Full and perfect in form. 2½-in. pots, **each 20c; 3 for 50c, prepaid;** 3½-in. pots, **each 35c; 3 for $1.00.**

Caroline Testout. Rose pink.

Gruss an Teplitz. Brilliant red.

Jonkheer Mock. Red shaded to silvery white. 2½-in. pot plants, **each 20c; 3 for 50c, prepaid;** 4-in. pot plants, **each 35c; 3 for $1.00.**

Kaiserin Augusta Victoria. One of the best whites.

Killarney. Bright Pink.

Mrs. Aaron Ward. We cannot recommend this variety too highly for bedding and cutting. The best orange-yellow. 2½-in. pot plants, **each 20c; 3 for 50c; per doz. $2.00, prepaid.** 3½-in. pot plants, **each 35c; 3 for $1.00.**

My Maryland. A very choice summer rose of a bright salmon pink with pale edges. It is very free to bloom and remarkably fragrant.

Richmond. Scarlet-crimson, pointed buds, and tall, erect stems; handsome dark foliage. One of the most successful and prolific roses for the garden.

White Killarney. Pure white.

W. R. Smith. Although not new, this is a most desirable ever-blooming summer rose and as a bedder is without a peer. The flowers are creamy white, shaded pink, and are produced with the greatest freedom. It makes a beautiful cut flower. This is one of the roses that should be in all gardens great and small.

Prices of above, except where noted: 2½-in., **each 15c; 3 for 40c; per doz. $1.50, prepaid.** Larger plants, from 3½ or 4-in. pots, **each 30c; 3 for 80c; per doz. $3.00, prepaid.**

VAUGHAN'S "NOVELTY" SET

OUR SELECTION OF MERITORIOUS VARIETIES ON THIS PAGE.

6 strong, healthy, vigorous varieties in different colors, $2.25 (Express).

VAUGHAN'S "EXPOSITION" SET

12 distinct CHOICE AND RARE VARIETIES, specially selected for climatic conditions of each State, $4.00 (Express).

SUNBURST

Hybrid Tea Roses

Hardy Everblooming Varieties

THIS class has resulted from crossing the Hyhrid Perpetuals with the Tea Scented varieties, and possesses the hardiness of the first with the free hlooming habit and fragrance of the latter. All have long pointed huds horne on strong stems which make them very valuable for cut flowers. Being so hardy, such free hloomers during the entire summer, and emhracing such a wide range of color, they will undouhtedly grow greatly in favor and he much more widely planted than at present, both in small gardens and where large heds are desired

We especially recommend these roses for flowering the summer and fall months and have selected only those that are best in their color and with the most desirable qualities.

Up to May 10 to 15, we can supply 2-year field grown plants of the following list, after that date we offer pot-grown stock only.

PRICES, except where noted, 2-year, field grown, each 35c, 3 for $1.00, per doz. $3.50.

POTTED PLANTS, (after May 10 to 15) each 50c, 3 for $1.35, per doz. $5.00 (by express at purchaser's expense).

Note.—(Exp.) denotes to be sent **by express.**

Captain Christy. A very heautiful flesh pink rose, large and free-blooming, deepening to a rosy crimson at the center. Unusually good.

Cardinal. A delightfully fragrant red rose of a strong rohust hahit, making it a desirable bedder.

Caroline Testout. A grand rose which should he more widely planted. It has become decidedly popular in the West. The flowers are a fine satiny pink, full and fragrant. Excellent for cutting.

Gruss an Teplitz. Unquestionahly the finest brilliant red, hardy, ever-hlooming garden rose. The flowers are very showy and handsome. It hlooms constantly and continues covered with flowers the whole season.

J. B. Clark. Growth is vigorous and upright. Blooms are large and beautifully formed; color intense scarlet, strongly fragrant.

Jonkheer J. L. Mock. This magnificent new rose came to us with a great European record, and at our greenhouses it has fully verified all advance reports of its merits. It is a splendid robust and free grower sending up strong stems which hear glorious flowers in two tones of color, fiery red within, and silvery white without. The flowers are large and of a fine rounded form. Rosarians have pronounced this variety as one sure to he a world-rose in a class with Kaiserin Aug. Victoria and Frau Karl Druschki.

Kaiserin Augusta Victoria. One of the best white roses, either for bedding or for cut flowers. A tinge of lemon in the center adds to its heauty. Known the world over and is worthy of being planted in every garden.

Killarney. A strong, rohust grower and a free, continuous hloomer. The color is hrilliant sparkling pink; the flowers are extra large and full, with hroad, thick petals and delightful fragrance. A rose of great heauty and excellence.

Killarney Brilliant. A splendid improvement on the original Killarney in every way. Color much deeper, more petalage and the hest of the sports that Killarney has so far produced.

La France. Bright satin pink rose, with a silvery reflex, hlooming early and late; one of the best roses grown.

Lady Hillingdon (Tea Scented). An exceptionally free hlooming variety of a deep golden yellow. Its long pointed huds open heautifully and expose the richness of color in the center for which it is so remarkable.

Lyon Rose. Color, shrimp pink at edges of petals; center of flower intense coral red, shaded chrome yellow; free grower and ahundant bloomer; flowers large, fairly full, with fine, smooth petals and long pointed buds. We have no hesitation in recommending it to our customers as the most wonderful coloring among roses that has yet been attained. Very fragrant and hardy.

Milady. Similar to Richmond in color but far richer in the hud. Large and douhle, opening perfectly at all seasons of the year. In form and fragrance it resemhles Gen. Jacqueminot. Strong and sturdy in hahit with excellent foliage. Is strongly recommended for these qualities and also for its great reproductiveness and wonderful keeping qualities.

Mrs. Aaron Ward. This heautiful rose changes in color as the flower expands; the opening bud is a deep coppery orange, changing when partly developed to golden orange in the center, while the edges of the petals which recurve in a most graceful way are creamy white; the comhination is very striking and heautiful. When fully open it is an exquisite shade of pinkish fawn.

My Maryland. A very choice summer rose of a hright ralmon pink with pale edges. It is very free to bloom and remarkably fragrant.

Pollaertrose (Improved La France). This grand new variety of a La France pink is a strong grower with large heautifully formed flowers borne very freely on strong, stiff stems. It has all the good points of a first-class rose and is strong where the La France has developed weaknesses, and undouhtedly will replace it in time.

Prince de Bulgarie. Silvery flesh, shaded with salmon, long hud, very distinct and good variety, vigorous.

Radiance. Bright pink, full flowers, freely opened.

Richmond. Scarlet-crimson, pointed huds, and tall, erect stems; handsome dark foliage, one of the most successful and prolific roses for the garden.

Rhea Reid. A remarkahly fine Hyhrid Tea Rose. A vigorous grower, hearing a profusion of large, full, hright crimson flowers, very fragrant and lasting. 2-year dormant plants, **each 50c.**

Sunburst. A truly great rose which is now classed with the American Beauty and Killarney. It rivals Mrs. Aaron Ward, heing a rich coppery yellow of good size and form. Is a strong grower and having long, strong stems, is very fine for cut flowers.

White Killarney. A pure white sport from Killarney, with which it is identical in shape. It is perfectly hardy with light protection. A strong, rohust grower, flowering very freely throughout the season. The flowers are very large, huds long and pointed, horne on strong erect stems.

Tea Roses

These are not as hardy as the Hybrid Perpetuals and Hybrid Teas, and during winter require protection, but they possess a delightful fragrance of their own and exquisite shades of color. Their deep green glossy leaves are also characteristic. Every garden should have a sunny corner allotted to the cultivation of a few, and for the conservatory the well known Marechal Niel (offered in our "Climhing Rose" section) is indispensahle.

Cochet Pink. Well known pink bedding rose, deliciously fragrant. 2½ in. pots, **each 15c; 3 for 40c;** 3½ in. pots, **each 30c; 3 for 80c.**

Cochet White. A pure white of finest fragrance and with the good qualities of its parent—the Pink Cochet. 2½ in. **each 15c; 3 for 40c;** 3½ in. **each 30c; 3 for 80c.**

Lady Hillingdon. Golden yellow. 2½ in. pot plants, **each 15c; 3 for 40c, prepaid;** 3½ in. pot plants, **each 30c; 3 for 80c (exp.).**

TEA ROSE COLLECTION

One of each of the above three varieties in 3½ in. pots, $1.00, prepaid.

MEMORIAL ROSE COLLECTION

Hiawatha. Red. **Wichuriana.** White.
South Orange Perfection. Pink.
Universal Favorite. Blush white.
One 2-year dormant plant of each for $1.25 (exp.).

Roses of Rarer Sorts

Hermosa. (China.) A grand old rose. Flowers horne in clusters, clear bright pink, very douhle and one of the hest. Strong dormant field plants, **each 30c (exp.); per doz., $3.00, (exp).**

Persian Yellow. (Austrian Briar.) The Hardy Yellow rose of olden times. Deep golden yellow, semi-double and very hardy, suitable for planting in old-fashioned gardens and among shruhs. **Price,** strong 2-year-old plants, **each 35c; 3 for $1.00; doz. $3.50, (exp).**

Rubiginosa. (True English Sweet Briar.) Valuahle for the refreshing fragrance of its leaves. This is the true Eglantine. It is perfectly hardy, and once it is planted, little care is necessary. 2-year, **each 35c, 3 for $1.00, (exp).**

Rubrifolia. (Red-Leaved.) Valued for its beautiful reddish green foliage, as well as for its pink flowers in early June. It is one of the most attractive shruhs, among a mass of other shruhs or planted hy itself. 2-year, **each 35c, 3 for $1.00, (exp).**

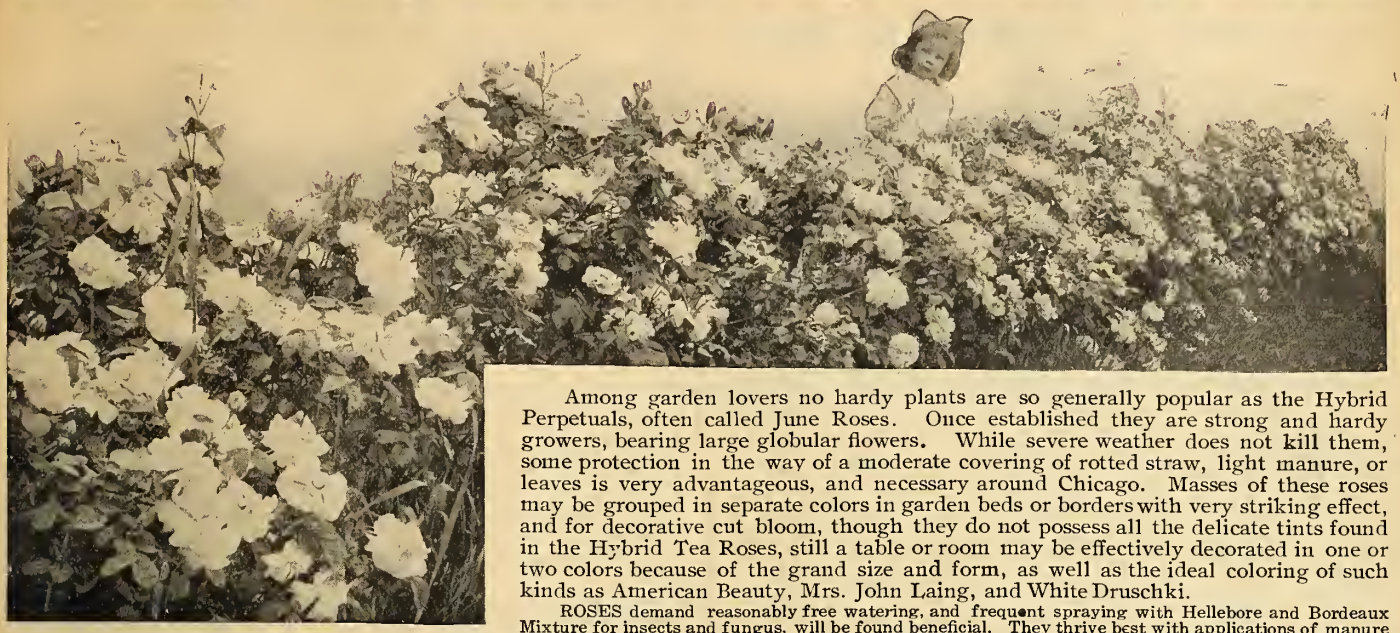
Setigera. (Illinois Rose.) Small single pink flowers and extra fine foliage. Called the hramble leaved rose. 3-year, **each 40c; 3 for $1.10, (exp).**

Souv. de la Malmaison. (Bourbon.) The finest Bourhon rose sent out for many years. Blooms are douhle to the center and the color is lovely creamy flesh, with hright rose center. 2-year, **each 35c; 3 for $1.00; (exp).**

FREE ADVICE We are always glad to correspond with those who contemplate changes or extensive Rose Planting. We know the peculiarities of the different kinds. Our long experience and study qualifies us to answer all inquiries intelligently.
Write us for information and prices on large lots.

MILADY

Hardy Hybrid Perpetual Roses



Among garden lovers no hardy plants are so generally popular as the Hybrid Perpetuals, often called June Roses. Once established they are strong and hardy growers, bearing large globular flowers. While severe weather does not kill them, some protection in the way of a moderate covering of rotted straw, light manure, or leaves is very advantageous, and necessary around Chicago. Masses of these roses may be grouped in separate colors in garden beds or borders with very striking effect, and for decorative cut bloom, though they do not possess all the delicate tints found in the Hybrid Tea Roses, still a table or room may be effectively decorated in one or two colors because of the grand size and form, as well as the ideal coloring of such kinds as American Beauty, Mrs. John Laing, and White Druschki.

ROSES demand reasonably free watering, and frequent spraying with Hellebore and Bordeaux Mixture for insects and fungus, will be found beneficial. They thrive best with applications of manure water. and at least two applications of bone meal (two pounds per square yard) prior to blooming time.

AMERICAN BEAUTY. This is the queen of all roses, being extra large, full and fragrant. The color is a fine deep pink shaded toward the center a carmine crimson. Prices, strong 2½-in. pot plants, **each, 15c., 3 for 40c., doz., $1.50, prepaid;** 3½-in. pot plants, **each 25c., 3 for 65c., doz., $2.50 (exp).**

ANNA DE DIESBACH. Very showy and large pointed buds, a beautiful shade of carmine. A strong grower,

BARONESS ROTHSCHILD. Immense globular flowers of a rich satiny pink. Very vigorous and a remarkably free bloomer.

FRAU KARL DRUSCHKI. (White American Beauty). This pure white variety has long immense buds and perfectly double flowers. For bedding and for cutting it is the finest in its class.

GEN. JACQUEMINOT. Bright shining crimson, shapely buds and handsome blooms. The Jack Rose is noted for its good qualities.

GLOIRE LYONNAISE. Fine yellow, strong grower, free bloomer.

MABEL MORRISON. An attractive rose with pure white, perfectly formed flowers of large size.

MAGNA CHARTA. Deep pink, large sweet scented and of fine form, one of the hardiest roses in cultivation and commonly planted.

MRS. JOHN LAING. A grand, useful rose. Large beautiful pink blooms borne on long sturdy stems; the gem of the lot.

PAUL NEYRON. An immense rose of a deep rose color. It has excellent foliage and is a very strong grower.

PRINCE C. DE ROHAN. (The Black Rose). Deep velvety crimson passing to intense maroon, fragrant, a strong grower and hardy,

ULRICH BRUNNER. Cherry crimson, large fine form, a good garden and exhibition rose very strong grower and hardy.

PRICE. Extra strong, dormant, 2-year-old field-grown plants, supplied up to May 1, each 30c., 3 for 85c., doz. $3.00, per 100 $22.00. (By express).

Potted Plants. After May 1. Each, 50c; 3 for $1.35; per doz., $5.00. (By express).

TREE OR STANDARD ROSES

HYBRID PERPETUAL varieties. Our selection of the best in the following colors:

PINK RED WHITE

Price each, $1.00; 3 for $2.75; per doz., $10.00.

VAUGHAN'S UNRIVALLED COLLECTION OF 10 BEST HARDY GARDEN ROSES

For description see general list of Hybrid Perpetual Roses above:

Anna de Diesbach. Bright rose. **Baroness Rothschild.** Pink. **Gen. Jacqueminot.** Crimson. **Mrs. John Laing.** Bright pink,
Gloire Lyonnaise. Pale yellow. **Frau Karl Druschki.** White. **Magna Charta.** Deep pink. **Paul Neyron.** Rose.
Prince C. de Rohan. Crimson. **Ulrich Brunner.** Cherry red.

PRICE. 1 each of 10 above named kinds, $2.50; or 3 of each of above named kinds, $6.50.

VAUGHAN'S "SURPRISE" COLLECTION. (H. P.) ROSES

Strong **2-year old dormant** plants, field grown. (Our selection). Per doz. **$2.50;** 100 **$18.00.** (By express).

	Plants	Size Pots	Varieties	Price		Plants	Size Pots	Varieties	Price
No. 13 ..	12	3½ in.	12	$2.50	No. 16 ..	12	2 in.	12	$1.00
No. 14 ..	25	3½ in.	15	4.50	No. 17 ..	25	2 in.	12	1.75
No. 15 ..	50	5½ in.	15	8.00	No. 18 ..	50	2 in.	15	3.00

SPECIAL ROSE COLLECTIONS

We give the names and colors of the varieties in these collections, but late in the season, when some stocks are running short, we reserve the right to substitute, giving the next best in resemblance, unless customers direct otherwise.

THE "GLENCOE" COLLECTION OF 10 HARDY ROSES

Capt. Christy. Flesh.
Caroline Testout. Satin rose.
La France. Light pink.
Gruss an Teplitz. Brilliant red.
J. B. Clark. Scarlet.
Kaiserin Aug. Victoria. White.
Killarney. Pink.
Gen. McArthur. Bright crimson.
Richmond. Deep scarlet.
Mrs. Aaron Ward. Orange yellow.

Price, 2-year-old field grown plants, potted, **1** each of above kinds, **$3.75. 2** of each **$7.00, (exp).**

THE "LAKE FOREST" COLLECTION OF 15 HARDY ROSES

Cynthia Forde. Fine pink.
Edward Mawley. Velvety crimson.
Gruss an Teplitz. Brilliant red.
Jonkheer Mock. Rose and silvery pink.
Kaiserin Aug. Victoria. White.
Killarney. Pink.
Maman Cochet. White.
Maman Cochet. Pink.
My Maryland. Pink.
Mrs. Aaron Ward. Orange.
Pollaertrose. 'La France' pink.
Rhea Reid. Crimson-scarlet.
Richmond. Red.
White Killarney. Pure white.
W. R. Smith. Creamy white.

Price: The collection from 2½ in. pots, **$1.50, prepaid;** 3½ in. pots, **$3.00, (exp)**

FRAU KARL DRUSCHKI

Climbing Roses

ROSE-DOROTHY PERKINS

THE demand for climbing roses has always been constant, and the eagerness of the public for "something new" has stimulated the enthusiasm of the hybridists, with the result that year after year improved forms are being presented for awards before various committees of the keenest judges, but it would be impossible for us to list all that have gained recognition. The rose-covered cottage still carries the charms of romance and sentiment, that it has done for hundreds of years. For twenty years our greenhouses have specialized on all these beautiful climbers, and here we offer "all the best."

Note.—The abbreviations used in some of the following descriptions denote:

(C. P.)—Climbing Polyanthus-flowered; flowers double or semi-double.

(S.)—Single-flowered. **(Exp.)** after a price—To be sent **by express.**

Where the price for each is—

$0.35, we supply	3 for $1.00	per dozen,	$3.50
.40, we supply	3 for 1.10	per dozen,	4.00
.50, we supply	3 for 1.40	per dozen,	5.00
.75, we supply	3 for 2.15	per dozen,	8.00

Alberic Barbier. Dark green leaves, bronzy red and glossy in spring. The outer petals of the flowers are a delightful creamy white and the inner a canary yellow. 2-year, **each 50c.** 2½-in. pot plants, **each 20c, prepaid;** 3½-in., **each 35c (exp.).**

AMERICAN PILLAR (S.). A climber of vigorous habit. The enormous single flowers, sometimes measuring 3 inches across, are borne in large clusters and are produced with the greatest freedom, fairly covering the bush. Color is a delightful shade of rose pink. Broad, glossy, deep green foliage. In the fall the flowers are followed by clusters of red berries. 2-year, **each 50c (exp.).**

Baltimore Belle (C. P.). Your yard is not complete without this grand rose. Will grow 15 feet in one year, and be covered with clusters of large double flowers of a pale blush color. 2-year, **each 35c (exp.).**

Climbing Mme. Cecile Brunner (Cl. Tea). A rose of exceptional merit. The blooms are semi-double, bright rose in the center, shading off to pale pink at the edge, and have a delightful fragrance. We can thoroughly recommend this rose, and have a fine stock to offer. 2½-in. pots, **each 20c, prepaid;** 3½-in. pots, **each 35c (exp.).**

Climbing Clothilde Soupert (Cl. Tea). It is a vigorous grower, forming canes 15 feet in one season, and covered with large clusters of flowers all summer. Flowers are large, double and a beautiful shell pink, forming the buds in clusters. 2½-in. pots, **each 20c, (prepaid);** 3½-in. pots, **each 30c (exp.).**

CRIMSON RAMBLER (C. P.). This grand old climber hardly needs description. The magnificent trusses of bright crimson flowers are freely produced and admired by everyone. It is still one of the easiest of Roses to succeed with. Unsurpassed for walls, hedges, pillars, arches, pergolas; very hardy and a strong grower. 2-year old, **each 50c;** strong 3-year, **each 75c;** extra heavy (splendid plants), **each $1.00, (all exp.).**

Delight (C. P.). A fine climbing rose of recent introduction, having large trusses or corymbs of bright carmine flowers, toning off to pure white at the bases of the petals, which with the central yellow cluster of anthers, makes a very pleasing contrast. Very vigorous, and a profuse bloomer. 2-year, **each 50c;** 3-year, **each 75c (exp.).**

DESIRE BERGERA (Hyb. Wichuriana). A new and very vigorous climbing rose. The flowers, which are of medium size, are double, and produced in clusters of from two to six blooms. The color is coppery rose outside with a clear orange red reverse. Quite a new shade among climbing roses. 2-year, **each 50c;** 3-year, **each 75c (exp.).**

DOROTHY PERKINS (C. P.). The most popular climbing rose of today, and as hardy as the Crimson Rambler. The flowers are borne in clusters and are very double; the petals are very prettily rolled back and crinkled. The color is a most beautiful shell pink and holds a long time without fading. 2-year, **each 50c;** strong 3-year, **each 75c (exp.).**

EXCELSA (C. P.). A distinct variety in form, color and habit. A vigorous grower. The foliage is dark glossy green. Flowers very double. produced in large trusses, thirty to forty on a stem. The color is intense crimson maroon; points of the petals tipped with scarlet. 2-year, **each 50c;** 3-year, **75c (exp.).**

Flower of Fairfield (C. P.). Of the numerous varieties raised in the past few years, this is doubtless one of the best. Its flowers, which are produced in profusion, are of a fine crimson color, and more lasting and brilliant than the common Crimson Rambler. The growth is vigorous, flowering freely and continuously throughout the season. 2-year, **each 50c;** strong 3-year, **75c (exp.).**

HIAWATHA (S.). The petals are deep crimson, shading to a pure white at the base, forming as it were, a large white central disc, encircled by a crimson ring. The plant in full bloom must be seen to be thoroughly appreciated. Flowers very freely, and is undoubtedly one of the prettiest of the single roses. 2-year, **each 50c (exp.).**

LADY GAY (C. P.). The flowers are of a delicate cherry pink color, changing to a soft white. Rich glossy foliage. The effect of a plant in full bloom, is superb; vigorous grower and perfectly hardy. 2-year, **each 50c;** strong 3-year, **each 75c (exp.).**

Marechal Niel (Cl. Tea). A most beautiful deep golden yellow, very large and double; deliciously scented, but unfortunately not quite hardy (excepting in the south and on the Pacific Coast). For the walls of a vinery or pillars in a greenhouse this is a magnificent rose. 2½-in. pot plants, **each 20c, prepaid;** 3½-in. pot plants, **each 50c;** 5-in. pot plants, **each 75c (exp.)**

PHILADELPHIA RAMBLER (C. P.). This variety is identical with the Crimson Rambler except the color is deeper and more lasting, the flowers are perfectly double to the center, and come into flower about 10 days after the Crimson Rambler. Strong, 2-year, **each 50c (exp.).**

Prairie Queen (C. P.). Color, bright red, changing as the flower opens to deep pink. A splendid rose for porches. Strong, 2-year, **each 35c (exp.).**

South Orange Perfection. (Wichuriana.) Flowers blush pink, fully double, profuse bloomer. 2-year, **each 35c (exp.).**

TAUSENDSCHON (C. P.). This beautiful variety surpasses all other climbing roses of this section, both in growth, foliage and beauty of blooms. The flowers appear in large clusters from the beginning of June till the end of July. Each individual flower measures about 2 inches across and is of a beautiful soft shell pink, same color as Clothilde Soupert, later on changes to rose carmine. 2-year, **each 50c;** strong 3-year, **each 75c (exp.).**

Universal Favorite (Wichuriana.) Blush white, double, one of the Memorial set. Foliage beautiful glossy green. Very hardy. Strong 2-year, **each 35c (exp.).**

WHITE DOROTHY (C. P.). This beautiful new rose is the counterpart of the well known Dorothy Perkins, except in the color which is pure white, but it is quite as hardy and vigorous. It has now become a universal favorite. 2-year, **each 50c;** strong 3-year, **each 75c;** extra heavy, **each $1.00 (exp.).**

Wichuriana. (Memorial Rose.) Flowers pure white, foliage bright glossy green. This is a beautiful subject for planting on graves. It creeps along the ground as closely as an Ivy and often grows 10 feet in one season. The flowers are produced in July. 2-year, **each 35c (exp.).**

Rambler Collection No. 122

One 2-year plant of **American Pillar, Excelsa, Lady Gay and White Dorothy for $1.60 (Exp).**

Tree or Standard Climbing Roses

Crimson Rambler, Dorothy Perkins, Lady Gay

Large bushy heads, on 3-ft. stems, 2-years grafted.

Each $1.00; 3 for $2.75; per doz. $10.00.

TAUSENDSCHON

Polyanthus Roses

Including Baby Ramblers

These are entirely distinct from the larger flowered sorts and there is a place for both of them in every garden, heing so hardy and adapted to so many uses. Masses of 25 or more, together will be found to make a very effective planting.

It has been our great good fortune to he in the lead in introducing Baby Ramblers to the American public. Years ago we first offered the Crimson Bahy Ramhler and recently Erna Teschendorff. What a wonderful success these have been every one knows. Other recent introductions of this class will be found in the following list.

BABY DOLL. (New.) For description and price see page 119.

BABY TAUSENDSCHON. An exact counterpart of the grand climber, "Tausendschon," except in habit of growth. The plants are sturdy and hear immense trusses of flowers of a large size which keep remarkably well after opening. We have found this to be a continuous and profuse bloomer and this "Bahy" undoubtedly has a great future. 2 year dormant, **each 50c; 2½-inch pots, each 20c; 3 for 55c, prepaid.** 3½-inch pots, **each 35c.**

CECILE BRUNNER. Here is the ideal cut-flower rose for corsage bouquets and table bowls. To the growing of these beautiful buds one of the largest estahlishments in California devotes many greenhouses, and in the north section of Chicago many "Cecile Brunners" are being planted for cut-flowers to be sent all over the United States. The delicate buds are of perfect form and color, which at first is rose pink, shading to a deep salmon pink, and showing a rich orange center, toning to a pale flesh color when fully opened. It is a healthy grower heginning to hloom in early June, and continuing until approach of frost. 2 yr. dormant plants, **each 35c; 2½-in. pots, each 15c; 3 for 40c; doz, $1.50 prepaid;** 4-in. **each, 30c; 3 for 80c; doz., $3.00 (exp.)**

CLOTHILDE SOUPERT. A truly grand bedding rose pearly white in color shading to a pure rose pink. It has remarkahly round double fragrant flowers always horne in clusters. Being the introducers, we take pride in having extra select stock which will hloom continuously during the summer, if given ordinary care. 2½-in. pots, **each 15c; 3 for 40c; doz., $1.50, prepaid;** 3½-in. pots, **each 30c; 3 for 80c; doz., $3.00 (exp.)**

CRIMSON BABY RAMBLER. Still a favorite. The flowers are borne in clusters of 30 to 40, and the foliage is dark, glossy and profuse. A large bed in our grounds was constantly in bloom until November, even in the hottest weather. 4-inch pots **each 35c;** 2-year dormant **each 35c; doz. $3.50; per 100, $25.00;** 3-year, **each 40c; doz. $4.00 (Exp.)**

ELLEN POULSEN. Bright cherry rose, very free bloomer, not so douhle as Dorothy Perkins but larger. 2-year dormant, **each, 50c; doz. $5.00.**

ERNA TESCHENDORFF. The color of the flowers is the brightest red, being superior to the Crimson Baby Rambler, Jessie, and others. The flowers are large and very double and are produced in constant succession throughout the whole season. It is free from mildew. A great advantage over the Crimson Baby Rambler is that the color does not bleach out under the hot sun. 2½-in. pot plants, **each 20c; 3 for 50c; doz., $2.00;** 3½-in. pot plants, **each 35c; 3 for $1.00,** 2-year dormant plants, **each 40c; 3 for $1.10; doz., $4.00.**

JESSIE. This is a charming variety constantly in bloom from June until frost appears. The height outside does not exceed 2½ feet. The foliage is bright, glossy green and wonderfully free from mildew. The flowers are of a hright cherry crimson color, which does not develop the objectionable purple or magenta tints. 4 in. pots **each 35c; doz. $3.50;** 2-year dormant, **each 35c;** 3-year **40c.**

CECILE BRUNNER

TREE ROSE
Frau Karl Druchski

MAMAN TURBAT. Branching growth, largc, full flowers, produced in large panicles of 20 to 30 flowers, color clear peach pink, one of the best in this section. 2-year dormant, **each, 50c; doz. $5.00 (exp).**

MRS. CUTBUSH. Deep clear pink, freely produced in panicles, on strong clear wood, fine growth and habit. 2-year dormant, **each, 50c; doz. $5.00 (exp).**

ORLEANS. Color hright red and pink, centers lightly shaded white. Foliage hright green. This is a rose of great merit and will undouhtedly become a great favorite for pot culture, forcing and bedding. 2-year dormant, **each 35c; 3 for $1.00; doz., $3.50. (exp).**

PHYLLIS. This beautiful Pink Baby Rambler is very popular. It is a beautful carmine pink color. Flowers are produced in continuous succession of large clusters. A most desirable variety. 2-yr. dormant, **each 35c; 3 for $1.00; doz. $3.50.**

TREE BABY RAMBLER

Budded on Rugosa stock in tree or standard shape with bushy two-year-old heads, which will flower beautifully during the Summer and Fall.

CRIMSON BABY. 12 in. and 24 in. stem. Price each, $1.00; 3 for $2.75; doz. $10.00.

TREE BABY RAMBLER

We are Leading Growers and Introducers of many Notable Novelties in the Baby Rambler and Polyantha Classes. Their everblooming character, their brilliant and delicate shades, the effective trusses of the Baby Ramblers for bedding and daintiness of the perfect little Polyantha buds for bouquets, maintain an ever increasing demand for these roses.

Write us for prices on large quantities.

Rugosa Roses

Very ornamental. Form bushes 5 to 6 ft. high, covered with masses of large single and semi-double flowers. The foliage is deep glossy green, entirely free from mildew, and insect pests, the entire hushes having the appearance of flowering shrubs of exquisite shape and beauty. During winter the red seed-pods or 'berries' are very handsome.

Alba. Crowded with clusters of single pure white flowers, foliage dark green and glossy. Strong 2-year dormant field plants, **each 30c; 12 for $3.00; 100 for $20.00 (exp).**

Blanche Double de Coubert. A fine double sweet and pure white flowering variety, producing clusters of from 5 to 10 flowers. It is a vigorous rampant grower, very free hlooming and almost perpetual fiowering. Flowers measure nearly 5 inches across and are lasting.

Conrad F. Meyer. Very vigorous and strong grower, the flowers which are heautiful in bud, are of clear silvery rose in color, very large and fragrant, superh foliage. **Extra fine.**

Madame G. Bruant. Blossoms in clusters. Semi-double pure white flowers. The ideal cemetery rose.

Rubra. (True Rugosa Type.) Beautiful single red flowers throughout summer, followed by vivid scarlet seed vessels in the fall. Very free flowering and exceptionally hardy. Strong 2-year dormant field plants, **each 30c; 12 for $3.00; 100 for $20.00, (exp).**

Price, except where noted, **each 35c; 3 for $1.00; 12 for $3.50, (exp).**

Moss Roses

These old-fashioned favorites, require close pruning, and a liberal supply of manure. They are all delightfully scented. There are few things more heautiful than a Moss Rose in bud. All are of the easiest culture.

Double Pink, Double Red, Double White. 2-yr. dormant stock. Extra strong plants, **each 35c; 3 for $1.00; doz., $3.50 (exp.)**

April 1, 1915.

The H. P. and H. T. Roses arrived here today in A1 condition. They are certainly very fine stock. I must congratulate you on the quality, both the roses and carnations were of the best quality, in fact, I have never seen better.

J. H. FRANCIS, (Gardener to Louis F. Swift) Lake Forest, Ill.

CLIMBING VINES

Flower lovers and gardeners know bow indispensable are Vines and Climbers for beautifying one's place, especially near the house. Plant Clematis, Climbing Roses and Honeysuckles about the front porches with perhaps a vine or two of the Chinese Wistaria to climb as high as the roof. Stone or brick walls are always prettier when ivy-clad. Then going around to tbe rear of the house, if you have a trellis to cover, or want a screen for certain buildings, get more Honeysuckles and if you need something to cover a large space quickly, try the Kudzu vine; the Trumpet Creeper is also good. On the next two pages are the best climbers for arbors, arches, trellises, porches, etc. Remember how pretty an arbor can be. American Ivy or even Grape vines make a good covering.

Actinidia Polygama. (The Silver Vine.) A desirable Japanese climber of vigorous growth, the foliage being a glossy dark green. The flowers are white with purple centers and are followed by clusters of edible fruit. An excellent plant for covering arbors, and where a rapid, dense growth is desired. Strong 3 yr. plants, **each 50c (exp.).**

Akebia Vine. A beautiful hardy climbing vine. It often grows 15 ft. in a year and produces in early summer large clusters of fragrant rosy purple flowers resembling Forget-me-nots. Large vines, 2 yr. **35c (exp.).**

Ampelopsis Dumetorum Laciniata. A vigorous sort, leaves digitate and deeply cut. Plants, 1 yr., **each 25c;** 2 yr., **each 35c;** 3 yr., **each 50c (exp.).**

Ampelopsis Engelmanni. (Engleman's Ivy.) One of the bardiest, best and quickest growing climbers for the north and northwest. Quite similar to the Virginia Creeper, but vastly superior to it, the foliage being cleaner, of greater substance and not turning yellow during the early fall, and almost perfectly free from insects. The leaves color up beautifully in the fall. 2 yr. **25c;** 3 yr. **35c:** 4 yr., **50c each (exp.).**

Ampelopsis Lowii. A beautiful Ampelopsis with small palmate leaves, and a delightfully graceful habit. It is perfectly hardy and clings closely, the apple-green foliage turning red, as does A. Veitchii as autumn advances. Plants from 4-inch pots, **each 50c, postpaid.**

Ampelopsis Quinquefolia. (Virginia Creeper or Woodbine.) Luxuriant in growth, with handsome foliage turning to bright crimson in the fall. Very hardy vine for covering old tree trunks, walls or fences. Strong plants, 2 yr. **each 25c; doz. $2.50.** Extra strong, 3 yr., **each 35c;** 4 yr., **each 50c (exp.).**

THE JAPAN OR BOSTON IVY Ampelopis Veitchii

The grandest hardy climbing vine in existence for covering bouses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long, delicate young shoots stretch up the walls witb free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or wood. The glossy leaves assume in the autumn the most beautiful tints of scarlet and crimson. The bandsomest vine possible for growth on brick walls.

PRICES

	By Mail Postpaid				By Express, Not Prepaid			
	Each	3 for	Dozen		Each	3 for	Dozen	100
1 yr.	$0.20	$0.50	$1.50	1 yr.	$0.15	$0.40	$1.25	$ 8.00
2 yr.	.30	.80	3.00	2 yr.	.25	.65	2.25	16.00
3 yr.	.40	1.10	4.00	3 yr.	.35	1.00	3.75	20.00

3 yr. (extra strong), **each 50c; 3 for $1.25; doz. $4.50; 100 $30.00 (by exp.)**

Pot Grown. For late planting (ready June 1). **Each 50c; doz. $5.00 (exp.)**

Apios Tuberosa. A hardy tuberous-rooted climber, resembling in miniature the common Wistaria in vine and foliage, and having clusters of rich, deep purple flowers, which have a strong, delightful violet fragrance. **Each 5c; doz. 50c, postpaid.**

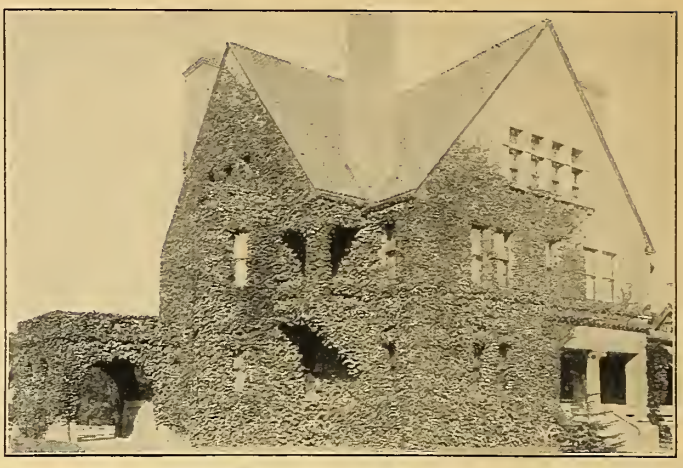
Aristolochia Sipho. (Dutchman's Pipe). Very hardy, strong growing vine with large peculiar heart-shaped leaves. Curious pipe-shaped flowers of yellowish brown. 2 yr. **35c,** 3 yr. **50c each (exp.)**

Bignonia Radicans. (Trumpet Vine.) Dark red orange throat, free blooming. Very hardy and rapid grower. Useful for covering unsightly places, stumps, or wherever a showy flowering vine is desired. 2 yr. **each 20c; doz. $2.00;** 3 yr., **each 35c; doz. $3.50;** 4 yr. **each 50c; doz. $5.00 (exp.)**

CLEMATIS JACKMANII

Celastrus Articulatus. (Japanese Bitter Sweet.) A vigorous climber with almost round, bright green leaves, and orange yellow capsules in the fall. This variety fruits earlier and more freely than C. Scandens and is one of the best vines to be bad for a porch. 2 yr., **each 25c; doz. $2.50;** 3 yr., **each 35c; doz. $3.50 (exp.).**

Celastrus Scandens. (Climbing Bitter Sweet.) A native climbing or twining plant, with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. One of the most desirable climbers for shade. Strong 2 yr. vines, **each 25c; doz. $2.50; 100 $18.00;** 3 yr., **each 35c; doz. $3.50.** 4 yr., **each 50c; doz. $5.00 (exp.).**



AMPELOPSIS VEITCHII (Boston Ivy)

Cinnamon Vine. A rapid-growing climber, taking its name from the peculiar fragrance of the delicate white flowers. The leaves are heart-shaped, bright glossy-green; growth is very rapid, often running 25 to 40 feet; quite hardy. Good roots, **each 5c; doz. 50c; postpaid.** Extra large roots, **each 10c; doz. $1.00, postpaid.**

Euonymus Radicans. An evergreen shrub of a climbing or trailing habit. Valuable for covering fences or training against walls with Northern aspect. Also looks well on embankments or climbing over rock work. 2 yr., **each 35c; per doz. $3.50 (exp.)**

CLEMATIS

JAPANESE CLEMATIS (Clematis Paniculata)

The finest small flowered Clematis extant. A wonderfully rapid grower, quickly covering trellises, arbors, etc. The flowers are pure white, deliciously fragrant and produced with the greatest freedom. It flowers in September, when few other vines are in bloom. This is the easiest to grow and most popular of all the small flowered vines. (See illustration next page).

PRICES. By Mail Postpaid.				PRICES. By Express, Not Prepaid			
Each	Three	Dozen	Age	Each	Three	Dozen	100
$0.20	$0.50	$1.70	1 yr.	$0.15	$0.40	$1.50	$10.00
.30	.80	3.00	2 yr.	.25	.65	2.50	15.00
.50	1.40	5.00	3 yr.	.40	1.10	4.00	25.00
.90	2.50	....	4 yr.	.75	2.00	7.50	.....

LARGE FLOWERING CLEMATIS

The Large-Flowered Clematis are the most beautiful of all our flowering vines The flowers are large, often measuring four to six inches across and are borne in great wreaths and clusters during July and August. The colors are rich royal purple, wine color and pearly-white. The vines are of slender, wiry growth and require some support that they can twine around, like a rod, pole or wire, and if the location is somewhat moist and partially shaded so much the better. The north side of house or porch with partial sun is a good spot. Hardy, but it is best to mulch them in winter.

Azure Star. (Lasurstern.) A new variety with large blue flowers. Strong grower and very desirable.

Beauty of Worcester. (New.) A magnificent sort with enormous flowers of clear sky-blue, contrasting strikingly with the cluster of pure white stamens.

Duchess of Edinburgh. One of the best double whites, of vigorous habit, very free of bloom and delightfully fragrant

Henryi. (Bangholm Belle.) Strong grower, flowers always eight-sepaled, 4 to 6 in. in diameter and pure white. Very hardy.

Jackmanii. This variety, with its strong, healthy growth, hardy nature and rich, deep velvety-purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion on shoots of the present season; should be pruned early in spring.

Madame Baron Veillard. Light rose, lilac shadings. Much admired.

Sieboldi. Flowers of large size. A beautiful light blue in color. Strong grower, One of the best.

Ville de Lyon. Its blooming capacity is great and the flowers are of the most magnificent brilliant crimson; they are large and of beautiful circular form.

Prices of above, strong 2 yr. old plants, each 50c; 3 for $1.35; doz. $5.00. Extra strong, 3 yr. plants, 75c; 3 for $2.10; doz. $8.00, (exp.)

☞**SPECIAL OFFER**—One 3 year old root, each, Jackmanii, Henryi and Ville de Lyon, three colors in all (red, white and blue) for **$2.00.**

VARIOUS SPECIES OF CLEMATIS

Coccinea. Bell-shaped flowers, bright coral red; blooms from June until frost. **Each 20c; 3 for 50c; 12 for $2.00, (exp.)**

Coccinea Hybrids

An entirely distinct type of Clematis, the result of crosses between C. Coccinea and Star of India, combining all the good points of their parents in hardiness, vigorous robust growth, and freedom of bloom, which, together with their novel coloring and shape, make them valuable additions to the list of hardy climbers.

Countess of Onslow. A new hybrid of C. Coccinea, having large, somewhat bell-shaped flowers of bright violet-blue, with a broad scarlet band running through each petal. Very free and quite hardy.

Duchess of Albany. Another beautiful hybrid of C. Coccinea of a beautiful lively pink, which deepens towards the center of each petal and lighter on the margins. A vigorous grower and remarkable free bloomer.

Duchess of York. A delicate and pleasing shade of pale pink.

Grace Darling. A very pretty, bright, rosy carmine.

Any of the above, strong plants, **each 60c; 3 for $1.60, (exp.)**

CLEMATIS PANICULATA

Hardy Vines

CLEMATIS—Continued

Crispa. Fine, deep blue, with a white border and deliciously fragrant. **Each 20c; per doz. $2.00, (exp.)**

Integrifolia Durandi. Flowers bright blue, flowering from June to fall. Non-climbing habit, good for low fences. **Each 50c, (exp.)**

Montana Rubens. This beautiful hardy new Clematis begins to bloom early in June when a profusion of soft rosy-red blooms resembling those of the Japanese Anemone are produced. As the flowers are borne on the young wood, they appear more or less freely until forst. Strong plants, **each 75c; per doz., $7.50, (exp.)**

Viticella Kermesina. Clear red flowers of medium size, freely produced in graceful clusters throughout summer and autumn. Very vigorous. Each, **50c.**

HONEYSUCKLES (Lonicera)

We cannot speak too highly of this class, for covering arbors, fences, pergolas, verandas, etc. They are the best vines for ground planting under trees and if used on terraces or embankments, will prevent washing. Railroads are using them very extensively for this purpose. All are perfectly hardy and improve in beauty each year.

Aurea Reticulata. (Japan Golden Leaved.) Variegated yellow and green foliage, flowers creamy white.

Belgica. (Sweet Scented Monthly.) One of the most satisfactory Honeysuckles, producing continuously large trusses of red and yellow fragrant flowers.

Fuchsioides. (Scarlet Trumpet or Sempervirens.) Fuchsia-like scarlet flowers, very free and beautiful.

Heckrotti. (New Sweet Scented.) Remarkable for the large size and distinct appearance of its flowers, dark rich red and creamy yellow in color. Blooms continually the whole season.

Japonica Flexuosa. (Chinese Twining.) Remarkable on account of retaining its beautiful glossy foliage almost all winter and covered with sweet, yellowish-white flowers nearly all summer.

Japonica Halleana. (Hall's Japanese.) Almost evergreen sort, flowers pure white, changing to yellow. July to Novemher.

Strong 2-yr. old vines, **each 35c; 3 for $1.00; doz. $3.50 (exp.)**
Heavy 3-yr. old vines, **each 50c; 3 for $1.35; doz. $5.00 (exp.)**

HOP VINE (Humulus Lupulus)

A useful climher for covering unsightly places. **Roots, Each 10c; doz. 85c 100 $6.00, postpaid. Plants, each, 25c; doz. $2.50, (exp.)**

IPOMOEA PANDURATA

Rapid growing climher, absolutely hardy, thriving in almost any soil. Flowers are abundant, pure white with purple throat, foliage is luxuriant. One of the best climhers for northern latitudes.

First size roots, **postpaid, each 15c; doz., $1.50.** Extra size roots, **each, 25c; doz., $2.50 (exp.)**

KUDZU VINE (Pueraria Thunbergiana)

or Jack-and-the-Bean-Stalk-Vine

The most remarkable climber extant. In rich soil will grow 70 feet in one season. Starts into growth slowly, but after three or four weeks grows almost heyond belief. Leaves in shape like Lima Bean; dark green; texture, soft and wooly. Fine for porches, arbors, old trees, etc. Small roots, **each 15c; 3 for 40c, postpaid.** Larger roots, **each 25c; 3 for 65c (exp.)**

MATRIMONY VINE (Lycium)

Well known, hardy, fast-growing vine; handsome when covered with scarlet fruit in autumn. Commonly used as a trailer, and for a ground cover under trees and on terraces or any kind of steep slopes to hold the soil in place.

Strong, 2-yr. old plants, **each 25c; doz. $2.50;** 3 yr. old, **each 35c; doz. $3.50;** 4-yr. old, **each 50c; doz. $5.00 (exp.)**

VITIS

Wild Grape Vine. We have fine cultivated vines of these rapid growing, hardy climbers, well suited to the covering of stumps, arbors, etc. **Each 25c; 3 for 70c; doz. $2.50 (exp.)**

Vitis Heterophylla. Of Japanese origin and of the greatest value for arhors, walls, trellises or woodland. The long clusters of light hlue fruit hang through the winter. Foliage of light green, each leaf being delicately incised, or cut. 2-yr., **each 50c;** 3-yr., **each 75c (exp.).**

WISTARIA

Sinensis. Long clusters of purple flowers, 2-yr. old plants, **each 50c (exp.).**

Alba. Flowers white, in drooping racemes. Large plants, 3-yr., **75c (exp.).**

Magnifica. Clusters of purple-lilac flowers. Price, 2-yr., **35c;** 3-yr., **50c;** 4-yr., **75c (exp.).**

DOUBLE NASTURTIUM

Summer Vines

HALF HARDY

AIR POTATO. (Dioscorea). A slender vine of rapid graceful growth, producing a thick foliage of heart shaped leaves of a beautiful glossy green, large and showy. Small white flowers in drooping racemes give way to small potato-like tuhers in the axils. These and the roots may be stored over winter like the Dahlias. **Small size, each 10c; doz., 75c. Large size, each 15c; doz. $1.50.**

CARDINAL CLIMBER. A graceful annual climber. The flowers are 1½ inches in diameter of a fiery cardinal red flowering from mid-summer until frost. The foliage is deeply laciniated and heavier and coarser than those of the Cypress Vine, to which it is related. Planted in good, rich soil when all danger of frost is over it makes a rapid growth, attaining a height of 30 feet. Strong plants. **Each 20c; doz. $2.00.**

COBAEA Scandens. (Cathedral Bells.) Purplish lilac flowers, hell-shaped, prolific bloomers. Rapid grower. 3-in. pots, **each 20c; doz. $2.00; 100, $15.00.** 4-in. pots, **each 30c; doz. $3.00.**

IVY, English. Beautiful evergreen vine. For hanging baskets, window-boxes and vases. **Each 15c; doz. $1.25; 100, $8.00.** 4 in. pots, **each 25c; doz. $2.50; 100, $18.00.**

IVY, German (Parlor Ivy). 2 in. pots, **each 15c; doz. $1.25; 100, $8.00.** 3 in. pots, **each 20c doz. $1.75, 100, $12.00.**

MOONFLOWER. (Ipomoea Learii) Blue. A heautiful satiny hlue. **Each 15c; doz. $1.50; 100, 10.00.** 3 in. pots, **each 20c; doz. $2.00; 100, $15.00.**

White. Large flowers. Small plants **Each 15c; doz. $1.50; 100, $10.00.** Larger plants, **each 25c; doz. $2.50. 100, $18.00.**

WISTARIA

MEXICAN MORNING GLORY. (Ipomoea Paniculata). A grand climher, palmate leaves of a deep green. Flowers are a handsome shade of pink, darker in throat. Treat roots like Dahlias. **Each 25c; doz. $2.50; 100, $18.00.** Larger roots, **each 40c; doz. $4.00.**

MADEIRA VINE. A popular climber. Strong tubers. **Each 5c; doz. 40c; 100, $2.50.**

NASTURTIUM, DOUBLE FLOWERED. Darmstadt. Flowers double, yellow, sweet scented, fine 2-in. pot plants, **each 20c 3 for 50c per doz. $2.00.**

SMILAX. Fine for festoons and other decorations. **Each 10c; doz. $1.00; 100, $6.00.**

VINCA Major Variegata. For basket and vase. 3 in. pots. **Each 20c; doz. $2.00; 100, $15.00.** 4 in. pots, **each 25c; doz. $2.50; 100, $18.00.** 5 in. pots, **each 35c; doz. $3.50.**

Minor (Grave Myrtle.) Evergreen. **Each 15c; doz. $1.50; 100, $10.00.**

WEEPING LANTANA. A trailing sort for vases and hanging baskets. Delicate rosy lilac flowers borne freely summer and winter. **Each 15c; 3 for 40c; doz. $1.25.**

VAUGHAN'S "SHADY SIDE" 125 A

CLIMBER COLLECTION FOR 1916

Each plant is suitable for planting on the north side of any building where sunlight is not strong.

Clematis Jackmanii.
Honeysuckle Heckrotti.
Aristolochia (Dutchman's Pipe).
Akehia Vine.
Celastrus (Bitter Sweet).
Boston Ivy (Ampelopsis Veitchii).

1 each: All strong 2 yr. plants for **$1.50 by express.**

VAUGHAN'S "SUNNY SIDE" 125 B

CLIMBER COLLECTION FOR 1916

Each plant is suitable for planting in full sunlight.

Bignonia (Trumpet Creeper).
Matrimony Vine.
Clematis (Japanese Clematis).
Ampelopsis (Virginia Creeper).
Honeysuckle, Scarlet Trumpet.
Periploca (Silk Vine).

1 each: All strong 2 yr. plants for **$1.25 by express.**

Special Purpose Climbers

Climbers for Shady Places, Aristolochia Sipho, Celastrus, Wild Grape Vine, Apios Tuherosa, Hop Vine, Akehia Vine, Honeysuckles.

Climbers for Hot Sunny Situation, Bignonia Radicans, Clematis Paniculata, Honeysuckles.

Climbers for North Aspect, Clematis, all large flowering types such as C. Jackmanii, Henryi, etc., Ampelopsis Veitchii (Boston Ivy).

Climbers for Eastern Aspect, Ampelopsis Engelmanni, Cinnamon Vine, Matrimony Vine.

Ornamental and Flowering Shrubs

BEFORE PLANTING

Visitors are invited to our nursery to inspect our stock of Ornamental Shrubs, Fruit and Shade Trees, etc. We have a choice lot of specimens such as are not usually seen. Our nursery is located at Western Springs, (15 miles west of Chicago on C. B. & Q. R. R.), two blocks South of 47th Street, the continuation of East Boulevard.

SHIPPING DIRECTIONS. Shrub orders amounting to $5.00 and over include prepayment either by express or freight, within limits of Chicago. Otherwise Shrubs and Trees must be sent by express or freight, customers paying charges. Always give full and explicit shipping directions, as our responsibility ends on delivery of Shrubs and Trees in good condition to the freight or express office. All Trees, Shrubs and Plants shipped subject to customers assuming risk regarding State Entomology requirements.

ABOUT PRICES OF TREES

Where the price each is given, the following are our rates for 3 and 12 of a kind.

Each	3 for	Dozen	Each	3 for	Dozen
20c	$0.50	$2.00	60c	$1.70	$6.60
25c	.65	2.50	65c	1.85	7.20
30c	.80	3.00	70c	2.00	7.50
35c	1.00	3.50	75c	2.15	8.00
40c	1.10	4.00	80c	2.25	8.50
45c	1.25	4.50	85c	2.40	9.00
50c	1.40	5.00	90c	2.50	9.50
			$1.00	2.90	11.00

THE planting of sbrubs, or perbaps shrubs combined with shade trees, with some conception as to the effect to be produced in future years, is a matter to be considered by everyone who wishes to complete the picturesqueness of a villa residence or country home. Shrubs around a bouse hide unsightly corners, and the hard straight lines of the architecture; or grouped at a distance, by the sides of walks, carriage drives, and fences, they break what might be a monotonous line of vision over bare lots, and give a tone of privacy to the home surroundings. Everywbere one can find places that will suggest their use, and when in flower, or adorned with their bright and varied foliage, their charm and beauty will be appreciated from early spring until late tall wben most of them display their brightest colored leaves, to be followed by the red berries of many during the winter months. Those who are not well acquainted with varieties and are doubtful as to what to plant, we shall be glad to help in selecting, and make suggestions and plans for grouping, for all sites and purposes.

A denotes sbrubs whicb attain 9 to 12 feet in height at maturity.

B denotes shrubs which which attain 5 to 8 feet in beight at maturity.

C denotes shrubs wbich attain 1 to 4 feet in beight at maturity.

Our Shrubs are transplanted every two or three years and are furnished with plenty of fibrous roots and should not be compared with stock tbat is seldom transplanted or never moved from cutting beds until sold.

Specimens. This term is applied to shrubs that are perfect both in beight and diameter as well as sbape, and are recommended where immediate effect is desired.

Where personal selection of any stock is made by customers at our Nursery we always charge according to its value.

AFTER PLANTING

IMPORTANT. Unpack and examine all packages on arrival, and if roots are dry, give a good soaking with water. Never let trees lie about with their roots exposed to the air. If several have to be planted, open a trench and "heel in" the roots, and then plant at your leisure

ACER (Maple)

Atro-purpureum (Japanese Purple-leaved). A beautiful shrub or small tree with dark purple leaves, exquisite when contrasted with shrubs of a lighter hue. 2 to 3 ft., **$1.25**; 3 to 4 ft., **$2.50.** For other Maples see page 134.

ALMOND, DOUBLE-FLOWERING (B)

A desirable class of early-flowering shrubs, blooming in early spring.
Double Pink or Double White, 2 to 3 ft., **50c**; 3 to 4 ft., **75c.**

ALTHEA FRUTEX (Rose of Sharon) (A)

A free-flowering shrub of easy culture and very desirable on account of blooming in August and September. Flowers resemble a double hollyhock. It requires protection and should be planted only in the spring.
Double White, Pink or Red, 2 to 3 ft., **30c**; 3 to 4 ft., **40c.**
Double Pink or White, tree form, 4 to 5 ft., **60c.**
Single Pink, tree form, 4 to 5 ft., **60c.**
Single Blue, 2 to 3 ft., **35c.**

AMELANCHIER (June-Berry or Shad-Bush)

Vulgaris. This variety blooms in early summer. The flowers are white and are followed by black or purplish berries, which are juicy and sweet. The leaves color beautifully in the fall. 2 to 3 ft., **40c.**

AMORPHA (B)

Hardy, free-flowering shrubs, with feathery foliage, adapted to sunny locations. Very valuable for border plantations or for massing on banks and slopes.
Canescens (Lead Plant). A small native shrub bearing light purple flowers in June. 2-year bushy, **40c**; 3-year bushy, **50c.**
Fruticosa (False Indigo). Tbis large growing shrub has dense terminal panicles of pretty, odd and attractive bluish flowers in July. 2-year, **30c**; 3-year, **50c.**

ARALIA (The Angelica Tree)

The luxuriant, tropical aspect of these plants is extremely charming. The large compound leaves, often 3 or 4 feet long, the huge panicles of creamy white flowers, and, in autumn, the wealth of dark purple berries disposed in numerous globe-like clusters—these constitute some of the glories of the Aralias. They are small trees or bushes, relatively bardy, with the larger or tree-like stems surrounded at tbe base by smaller, unbranched sboots.

ARALIA—Continued

Mandshuricus. A very handsome shrub of erect habit and very large, much divided spiny leaves. 2 to 3 ft., **50c.**; 4 to 5 ft., **75c.**
Maximowiczi. (A.) A remarkable small tree witb upright, spiny trunk Leaves rich deep green, on strong, long stems. 2 to 3 ft., **50c.**
Pentaphylla. (B.) A pretty Japanese shrub of medium size and rapid growth, branches furnished witb spines, leaves five lobed. 2 to 3 ft., bushy, **35c.**
Spinosa (Hercules' Club). A large sbrub of semi-tropical appearance. Very prickly stem. Bears immense clusters of wbite flowers. 2 to 3 ft., **50c**; 4 to 5 ft., **75c**; 5 to 6 ft., **$1.00**; 8 to 10 ft. specimens, **$1.50.**

AZALEA MOLLIS (C)

A beautiful variety from Japan, with large flowers of various shades of yellow, orange, carmine, etc. Requires partial shade. 10 to 20 buds, **75c.**

BERBERIS (Barberry)

Hardy sbrubs witb thorny branches, thriving in almost any kind of soil. They are of inestimable value in the plantations, both on account of the profuse and highly colored fruits and the gorgeous colors of the autumn foliage.
Ilicifolia. (Holly-leaved Barberry). (B.) The thick, spiny evergreen leaves of this species give it a very close resemblance to the Holly. 15 to 18 in., **75c**; 2 ft., **$1.00.** These prices are for stock with ball of eartb and burlapped.
Japonica. In a general way this resembles the Tbunbergii, which is ordinarily called Japanese Barberry, but grows taller than the latter, colors up better in fall, and it is especially recommended for winter effect on account of its beautiful red, rusty-brown bark. We recommend this variety. 12 to 15 in. busby, each **30c**; 100, **$20.00**; 18 to 24 in. bushy, each **45c**; 100, **$30.00.**
Vulgaris. (European Barberry). (B). A handsome shrub suitable for hedge, with yellow flowers in May and June, followed with orange-scarlet fruit. 2 to 3 ft., bushy, **40c**; per 100, **$30.00**; 3 to 4 ft., **50c**; 4 ft., extra bushy, **75c.**
Vulgaris Purpurea. (Purple-leaved Barberry). (B). Especially remarkable for purple foliage and fruit. Wben full grown, plants attain a height of 4 to 5 ft., but can be kept at any height below this by shearing. Endures partial shade and is perfectly hardy. 1½ to 2 ft., each **35c**; 2 to 3 ft., eacb **45c**; per 100, **$35.00**; 3 ft., extra bushy, eacb **60c.**

BERBERIS—Continued

Thunbergii. (Japanese Barberry.) (B). One of the most beautiful shruhs either for hedging or general purposes. It ss of a neat, compact growth and never need he touched with the shears. The foliage is heautiful at all times, and in the fall turns to a most brilliant crimson color. The plant is literally covered with bright scarlet berries all the fall and winter. It seldom grows over 4 ft. high. It is fine for the edge of a terrace and along roads and walks, and is justly popular as a hedge plant, forming without clipping a low dense hedge of surpassing grace and heauty.

Age	Height	Each	Three	Doz.	100
1-year	10 to 12 in.	$0.15	$0.40	$1.25	
2-year	15 to 18 in.	.20	.50	2.00	$10.00
3-year	18 to 24 in.	.30	.80	3.00	22.00
4-year, hushy		.40	1.10	4.00	30.00
5-year, extra hushy		.75	2.15	8.00	60.00
5-year Specimens		1.00	2.90	11.00	75.00

BUDDLEYA VARIABILIS VEITCHIANUS (Summer Lilac) (B)

A very pretty shrub of spreading pendulous habit, hearing during late summer and fall, long tapering spikes, 20 to 30 in. long, thickly covered with minute tubular, lilac-colored flowers. Awarded First Class Certificate R. H. S., London (new). Each, **25c; 3 for 65c.** (See illustration on next page).

CALYCANTHUS FLORIDUS (Sweet Shrub) (A)

The Calycanthus is one of the most desirable shrubs. The wood is fragrant. Flowers are of a rare chocolate color, having an exquisite pine-apple fragrance. They bloom in June and at intervals after. Nice bushy stock: 1½ to 2 ft., extra bushy, **40c;** 2 to 3 ft., extra hushy, **50c.**

CARAGANA SIBERICA (Siberian Pea Tree) (A)

A large shruh with compound leaves, consisting of 8 to 12 hright green leaflets. Native of Siheria. Flowers yellow, in numerous small clusters in late spring. Grows 10 to 12 feet tall. 5 to 6 ft., **$1.00.**

BECHTEL'S DOUBLE-FLOWERING CRAB

CEANOTHUS AMERICANA (Jersey Tea) (B)

A small shrub with a profusion of white flowers in crowded panicles, in June, One of the hest shrubs for growing in shady places. 1 ft., hushy, **50c;** 15 to 18 in., hushy, **75c.**

CEPHALANTHUS OCCIDENTALIS (Button Bush) (B)

A hardy vigorous shruh with large glòssy foliage and attractive white flowers. Thrives hest in moist loamy soil. Very valuable for water-side planting, especially when fully exposed to the sun. 1½ to 2 ft. **45c;** 2 to 3 ft. **50c.**

CERASUS (Flowering Cherry) (A)

Padus (Bird Cherry) Bears dense panicles of white flowers in early spring—a very picturesque shruh. 3 to 4 ft., **50c.**

Serotina (Wild Black Cherry). A shruh or small tree, covered with white blossoms in Spring, in long loose racemes; purplish black fruit in Autumn. Long narrow leaves. 3 to 4 ft., **60c.**

CHIONANTHUS VIRGINICA (White Fringe Tree)

Large shruh or small tree, with large, heavy leaves almost hidden in spring by a thick mist of fragrant, drooping white flowers. When planted against evergreens it is one of our very hest lawn ornaments. Attains a height of 9 to 15 feet. 1½ to 2 feet **45c;** 2 to 3 feet, **60c;** 3 to 4 feet, **75c.**

CLETHRA ALNIFOLIA (Sweet Pepper Bush) (A)

A sturdy compact shruh, usually attaining a height of 3 to 5 feet, leaves dark green and lustrous, fading with yellow tones. Flowers creamy white, fragrant, in erect or pinacled racemes. A grand flowering shruh. Thrives in moist loamy soil. 1½ to 2 ft., bushy, **50c.**

CORCHORUS (Kerria)

(The Globe Flower or Japanese Rose)

Japonica. A shrub 4 to 6 feet tall. Native of Japan. Leaves bright green, fading in autumn with tones of yellow. Flowers numerous, hright yellow, large and showy. A charming old-fashioned plant. 1½ to 2 ft., hushy, **50c.**

Japonica Argentea Var. (B) A pretty dwarf variety with small, green foliage edged white, slender grower, A valuable dwarf shruh. 1 to 1½ ft., hushy, **50c.**

Japonica Flore Pleno. Douhle flowered. This fine old shruh should he in all collections. It is of spreading habit. Its double yellow blossoms, which are about 1 inch in diameter appear early in May, one from each leaf axil. It is excellent for massing. 1 to 1½ ft., bushy, **40c;** 1½ to 2 ft., **50c.**

BERBERIS THUBERGII

CORNUS (Dogwood)

Hardy and vigorous shrubs, thriving best in moist, fertile soils. In addition to the showy flowers and fruits which characterize most of the species, they are very attractive objects in winter on account of the hrilliant color of the hark of the young shoots and twigs. Valuahle for borders and waterside planting.

Alternifolia. (Blue Dogwood) (B) A pretty, large shruh; forms almost flat heads. The bunches of white flowers borne in May are followed by deep blue herries. 2 to 3 ft., **45c.** 3 to 4 ft., **60c.**

Mas. (Cornelian Cherry) (B) One of the earliest of spring blooming shruhs bearing a profusion of small, yellow flowers along its naked branches in early days of April. Bright red berries the size of small cherries. 1½ to 2 ft., **35c.** 2 to 3 ft., extra hushy, **50c;** 3 ft., extra hushy, **60c.**

Sanguinea. (Red-branched Dogwood) (B) Very conspicuous and ornamental. Bark in winter blood-red. 2 to 3 ft., **45c;** 3 to 4 ft., hushy, **60c;** per 100, **$45.00;** 5 to 6 ft. Specimens, extra bushy, **$1.00.**

Sericea. (Silky Dogwood) A reddish-stemmed variety, producing its corymhs of white flowers late in June, followed hy pretty blue herries in Octoher; 2 to 3 ft., **40c.**

Siberica. (Siberian Red Osier) An upright shrub with bright blood-red hranches. Native of Siberia. Flowers creamy white in numerous small flat-topped clusters. Fruit light blue or hluish white. Usually 6 to 10 feet tall. Very hrilliant, especially in early spring, when the hark is intensely colored. Our stock is very bushy.

Height	Each	Three	Doz.	100
1½-2 ft.	$0.30	$ .80	$3.00	$20.00
2-3 ft. extra hushy	.40	1.10	4.20	30.00
3-4 ft. " "	.50	1.40	5.40	.....
4-5 ft. " "	.60	1.70	6.60	45.00
Specimens 5-6 ft. "	75c to $1.00	....	10.00	60.00
Seedlings, 5 to 7 ft.	.75	....	....	.....

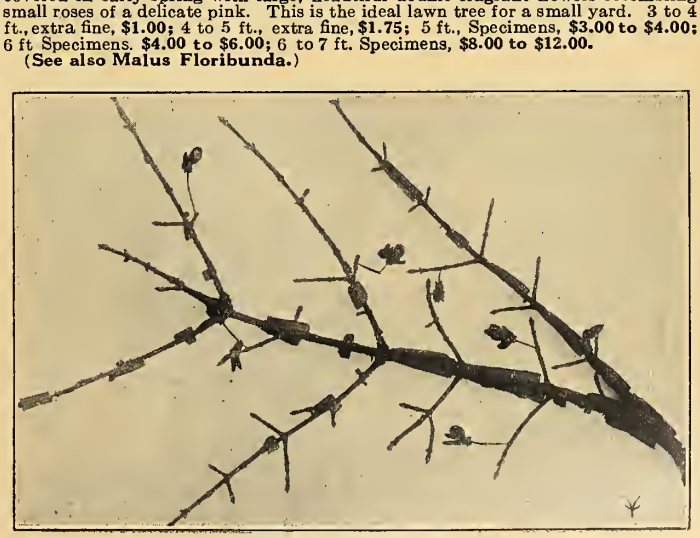
Stolonifera. (Red Osier Dodwood). May. Spreading habit; dark red bark and white herries, A very hardy shruh. 2 to 3 ft., hushy, **45c;** per 100, **$30.00.** 3 to 4 ft., extra hushy **60c;** per 100, **$45.00.**

Stolonifera Aurea. (Golden-twigged Osier) A variety with golden yellow hark, very attractive. Planted in masses with the red-barked varieties, an effective and striking contrast may he secured. It is perfectly hardy. 2 to 3 ft., **45c;** 3 to 4 ft., **60c.**

CRAB (Bechtel's Double-Flowering) (A)

Most beautiful of all the flowering Crahs; hardy. Trees of medium size are covered in early spring with large, heautiful douhle fragrant flowers resembling small roses of a delicate pink. This is the ideal lawn tree for a small yard. 3 to 4 ft., extra fine, **$1.00;** 4 to 5 ft., extra fine, **$1.75;** 5 ft., Specimens, **$3.00 to $4.00;** 6 ft Specimens. **$4.00 to $6.00;** 6 to 7 ft. Specimens, **$8.00 to $12.00.**

(See also Malus Floribunda.)



EUONYMUS ALATUS

FORSYTHIA SUSPENSA

CRATAEGUS (Hawthorn)

Crus Galli. (Cockspur Thorn.) **(C.)** A broad round-topped shrub or small tree with very spiny branches. The large clusters of white flowers are very showy, and contrast strikingly with the shining green leaves. The dull red fruits hang from the branches all winter. 2 to 3 ft., bushy, **60c;** per 100, **$45.00;** 3 ft., bushy **75c.**

CYDONIA (Pyrus)

Hardy shrubs with handsome flowers in early spring. They are invaluable for border or garden planting, and make beautiful informal or clipped hedges. The fragrant fruits are often used for making a tart, delicious jelly. They thrive in almost any well-drained soil.

Japonica. (Japan Quince.) **(B.)** A single shrub on the lawn is very attractive; brilliant crimson flowers, among the first in spring. Valuable for ornamental hedges. 1½ to 2 ft., bushy, **35c;** per 100, **$25.00;** 2 to 3 ft., extra bushy, **50c;** per 100,**$40.00;** 3 to 4 ft. bushy, **60c;** per 100,**$45.00;** 4 to 5 ft. Specimens,**75c.**

Cardinalis (B.) Beautiful brilliant Cardinal red. 2 to 3 ft. bushy, **60c.**

Maulei. A beautiful dwarf shrub bearing a profusion of bright orange-scarlet flowers. A very desirable hardy shrub. 12 to 18 in., **50c;** 1½ to 2 ft., **60c.**

Nivalis. (Snow Pearl). A handsome tree, with its silvery foliage and masses of white blossoms in spring. 12 to 18 ins., **35c;** 2 to 3 ft., bushy, **50c.**

Rubra Grandiflora. Deep crimson flowers, with very showy fruit, 1½ to 2 ft., **45c;** 2 to 3 ft., **60c.**

Simonii. (Sand Pear). A very ornamental rapid growing tree, with masses of white blossoms and deep green foliage. 1½ to 2 ft., bushy, **45c.**

Umbilicata. (B.) Flowers brilliant rosy red, succeeded by large showy fruit. One of the finest large shrubs. 1 to 1½ ft., **40c;** 2 to 3 ft., bushy, **50c.**

DESMODIUM PENDULIFLORUM (C)

A shrub-like plant which dies to the ground in winter, but comes up vigorously each spring. Bears attractive sprays of bright rose-colored flowers in September. 2-year, **40c;** 3 year, **50c;** 4 year, **65c.**

DEUTZIA

We are indebted to Japan for this valuable genus of plants. Their hardihood, fine habit, luxuriant foliage and profusion of attractive flowers place them among the most beautiful and most popular of flowering shrubs. Flowers in June and through July and August. Of easy culture, thriving in almost any well-drained soil.

Crenata Rosea fl. pl.(B.) Very similar to Crenata fl. pl., but very showy, with its outer petals a handsome rosy purple. 3 to 4 ft., **50c;** 4 to 5 ft., extra bushy, **65c.**

Crenata Fortunei. (B.) One of the best of the Deutzias, the flowers being larger than in many of the others. 1½ to 2 ft., **35c.**

Gracilis. (C.) A low-growing shrub with slender graceful branches of pure white flowers, free flowering and very sweetly scented. 12 to 15 ins., **30c;** 2 ft. Specimens, **50c.**

DEUTZIA CRENATA

DEUTZIA—Continued

Lemoinei. (B.) A hybrid of the well-known Deutzia Gracilis with Deutzia Parviflora. Flowers pure white, borne on stout branches, upright growth. 2 to 3 ft., **60c.**

Pride of Rochester. (B.) A variety of Deutzia Crenata Flore Pleno, and producing large double white flowers; back of the petals slightly tinted with rose. It excels all the older sorts in size of flower, length of panicle, profuseness of bloom and vigorous habit; blooms nearly a week earlier. 1½ to 2 ft., **35c;** 3 to 4 ft. bushy, **50c;** 4 to 5 ft. Specimens, **60c.**

DIERVILLA. See Weigelia.

DOGWOOD. See Cornus.

ELDER. See Sambucus.

ELEAGNUS (Silver Thorn)

Angustifolia. (Russian Olive.) **(B.)** A large shrub with silvery, often spiny branches. Leaves light green above, silvery white beneath, lanceolate. 2 to 3 inches long. Flowers yellow within, silvery on the outside, fragrant. Berries yellow, coated with silvery scales. 1½ to 2 ft., **35c;** 2 to 3 ft., **45c;** 3 to 4 ft., **55c;** 4 to 5 ft., **75c.**

EUONYMUS (Strawberry or Burning Bush)

Hardy shrubs with showy fruits, noted for the intense coloring of the fall foliage. They are well adapted for specimen plants or for massing in the shrub borders. They require moist, loamy soil.

Alatus. (Winged Burning Bush). **(B.)** Dwarf, compact habit. Wood corky; leaves small; fruit red; very beautiful in autumn, when the foliage turns bright red. One of the prettiest of shrubs for specimens on the lawn. 3 to 4 ft., **$1.50;** 4 to 5 ft., extra bushy, **$2.00;** 5 to 6 ft. Specimens, **$5.00** to **$6.00;** 6 to 7 ft. Specimens, **$6.00** to **$7.00.** (See illustration on page 127.)

Europaeus. (European Spindle Tree.) A tall, erect shrub or low tree, usually 10 to 15 ft. high. Flowers yellow. Rose-colored fruit. 1½ to 2 ft., **35c;** 2 to 3 ft., **50c;** 3 to 4 ft., **60c;** 4 to 5 ft., **75c;** 5 to 6 ft. Specimens, **90c;** 6 to 7 ft. Specimens, **$1.00.**

EXOCHORDA GRANDIFLORA (Pearl Bush) (A)

A vigorous-growing shrub, forming a neat compact bush. Pure white flowers borne on slender racemes, on light and wiry branches that bend beneath their load of bloom. Hardy. May. 1½ to 2 ft., **35c;** 2 to 3 ft. bushy, **50c;** 3 to 4 ft., **60c.**

FORSYTHIA (Golden Bell)

These are pretty shrubs of medium size. All natives of China and Japan. The flowers are drooping, golden yellow, and appear very early in spring before the leaves. The best very early flowering shrubs. Admired by thousands in Chicago parks. They should be planted where they will receive the full benefit of early spring sunshine.

Fortunei. (Fortune's Forsythia.) **(B.)** A tall shrub with slender arching branches, of garden origin. Leaves, simple or three-parted, dark green and lustrous. Flowers golden yellow, borne in great profusion. Grows 8 to 10 feet high. Very floriferous. 1½ to 2 ft., **35c;** 3 to 4 ft., **50c;** 6 ft. Specimens, **75c**

Intermedia. Flowers bright yellow, glossy green foliage. 1½ to 2 ft., **35c;** 2 to 3 ft., extra bushy, **50c;** 3 to 4 ft., extra bushy, **60c.**

Suspensa. (The Weeping Forsythia). **(B.)** A graceful shrub with long and slender drooping branches. Native of China. Leaves dark green and lustrous, persisting until frost. Flowers in great profusion, golden yellow, very showy. Grows about 8 feet tall. One of the showiest shrubs in cultivation. Can be used as a climber. 1½ to 2 ft., **35c;** 3 to 4 ft. extra bushy, **60c.**

Viridissima. (B.) A very pretty shrub of medium height; perfectly hardy in this country. The plant is covered with drooping yellow flowers, blooming very early in spring. 4 to 5 ft., bushy, **50c.**

GUELDER ROSE. See Viburnum Sterilis.

BUDDLEYA VEITCHIANUS

HAMAMELIS VIRGINICA (Witch Hazel) (B)

A hardy shrub with singular bright yellow flowers in late autumn, often after the leaves have been killed by frost. Thrives best in moist, loamy soil, either in full sun or partial shade. 2 to 3 ft., **50c.**

HIPPOPHAEA RHAMNOIDES (Sea Buckthorn) (B)

A large shrub with spine-tipped branches. Flowers yellowish, produced in short clusters in spring. Berries orange or bright orange-red, maturing in early autumn; 2 to 3 ft., **40c.**

"Planting Suggestions" is the title of a small pamphlet published by us, in which will be found selections of the best and most suitable trees for various purposes and aspects, and the flowering periods of many beautiful Flowering Shrubs, hardy around Chicago. Full planting instructions are also given. It is free on request.

Selection of Shrubs for Hedges.

Bush Honeysuckle, Hydranges Paniculata Grandiflora, Japan Barberry, Japan Quince, Lilacs, Privet Ibota and Amoor, Rhamnus Catharticus, Ribes Alpinum, Rosa Rogusa, Spiraea Anthony Waterer, Spiraea Bumalda, Spiraea Van Houttei.

HYDRANGEAS

ARBORESCENS GRANDIFLORA "SNOWBALL" (C)

This new American Hydrangea was found growing wild some years ago in the woods of Ohio and is one of the most beautiful hardy flowering shrubs. Its greatest value, aside from its beauty, is that it comes into bloom just after the flowering time of the Lilacs, Syringas, Viburnum and spring-flowering Spiraeas and continues on into August. The panicle is more like a Snowball in form and size than Paniculata Grandiflora (hence the name), and is a pure white. It thrives well in various soils but requires shade. 2-yr., extra bushy, **40c**; 3-yr., extra bushy, **45c**; 4-yr., extra bushy, **60c**, 4 year Specimens, **75c**.

Cinerea Sterilis. (Hills of Snow.) Very similar to the preceding, but leaves are silvery white underneath. Very hardy, 2 year, **35c**; 3 year, **45c**; 4 year, **60c**; 4 year Specimens, **75c**.

HYDRANGEA PANICULATA GRANDIFLORA (A)

Tens of thousands of this noble summer and autumn-flowering shrub have been sold the past few years, and the demand is now universal. They grow to a height of 8 to 10 feet, and are absolutely hardy, grow in any soil and bloom the same year they are set out. They flower abundantly, bearing immense panicles of bloom a foot long, white at first, turning to rose in autumn, commencing to bloom in August, when very few shrubs are in bloom. An annual shortening of branches tends to increase the size of the flowers.

	Each	Three	Doz.		Each	Three	Doz.
2-year, heavy	**35c**	**$1 00**	**$3 50**	4-year	**60c**	**$1 70**	**$6 00**
3-year	**45c**	**1 25**	**4 50**	4-year Specimens	**75c**	**2 15**	**7 00**

(Tree Form) (A)

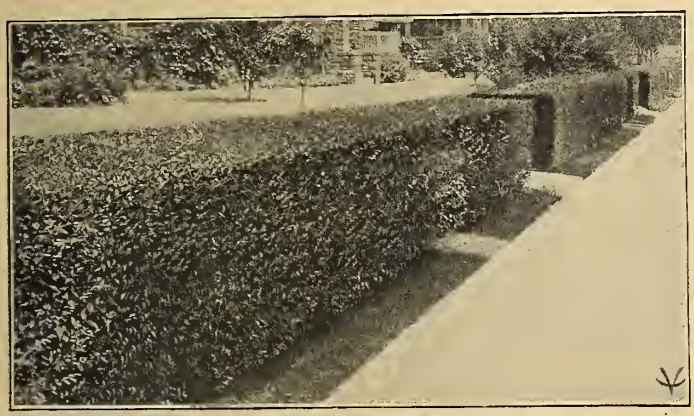
These plants have a clear stem, about 3 feet long, with a bushy top, making a grand show when in flower. Extra selected, 3 ft. stem, **75c**.

LIGUSTRUM (Privet)

These are extensively used for hedges and screens and are also planted among other shrubs for the beauty of their flowers and berries. They are hardy and vigorous, thriving in almost any fertile soil and stand clipping.

Amurense. (Amoor Privet.) (B) A large shrub with upright branches. Leaves dark green and lustrous, tardily deciduous, or in the South nearly evergreen. Flowers white, in erect panicles. Splendid for hedges. Very similar to the California Privet so universally used for hedging in the east, but unlike it here in that the Amur is hardy.

Height	Each	Three	Doz.	100
1½ to 2 ft	**$0.25**	**$0.65**	**$2.40**	**$15.00**
2 to 3 ft., bushy	**.30**	**.80**	**3.00**	**20.00**
3 to 4 ft., extra bushy	**.40**	**1.10**	**4.20**	**28.00**
4 ft. Specimens	**.50**	**1.40**	**5.00**	....



PRIVET HEDGE

Ciliatum Small Japanese shrub with pointed elliptical leaves, white flowers followed by black herries the size of a pea. 12 to 18 in., extra bushy, **20c**; per 100, **$12.00**; 2 to 3 ft. bushy, **35c**; per 100, **$20.00**; 3 to 4 ft. extra bushy, **50c**.

Ibota. (Chinese Privet.) (B) A valuable hardy Privet for the western and northern states. It is almost evergreen and grows freely in all soils Compact and regular in form, and hears shearing to any extent. Flowers white and fragrant; leaves long and shiny. A charming shrub for hedges or specimens.

Height	Each	Three	Doz.	100
12 to 18 in	**$0.20**	**$0.50**	**$1.80**	**$12.00**
18 to 24 in	**.25**	**.65**	**2.40**	**15.00**
2 to 3 ft., bushy	**.35**	**1.00**	**3.50**	**20.00**
3 to 4 ft., extra bushy	**.40**	**1.10**	**4.00**	**30.00**
4 ft. Specimens,	**.75**	**2.15**	**7.00**	

Ovalifolium. (California Private.) (B.) Large, broad leaves, and one of the best of all privets but not hardy in vicinity of Chicago. 1½ to 2 ft., bushy, **20c**; per 100, **$12.00**; 2 to 3 ft., bushy, **25c**; per 100, **$15.00**.

Regelianum. (Prostrate Privet.) (B) This beautiful graceful Privet is absolutely hardy and most desirable in every way. It is a dense shrub with stiff, twiggy, horizontal spreading branches, drooping at the ends. An excellent shrub for specimens, mass planting or hedges. It forms a graceful, symmetrical bush, sufficiently dense for hedge purposes without trimming. Effective when massed. 1 to 1½ ft., **30c**; per 100, **$18.00**; 3 to 4 ft., **40c**; per 100, **$25.00**.

Vulgare. (European Privet.) (B) Very useful for hedges; can he clipped any shape. Grown as a single specimen it produces panicles of white flowers in June. The foliage is of a lighter green than the other sorts. Its black herries remain on the bush all winter, and are quite ornamental.

Height	Each	Three	Doz.	100
12 to 18 in	**$0.20**	**0.50**	**$1.80**	**$12.00**
1½ to 2 ft	**.25**	**.65**	**2.40**	**15.00**
2 to 3 ft	**.35**	**1.00**	**3.60**	**25.00**
3 to 4 ft	**.40**	**1.10**	**4.20**	**30.00**

LILAC (True Syringa) (B)

Alphonse Lavalle. A variety hearing beautiful double flowers of a rare blue color. 2 to 3 ft., **40c**; 3 to 4 ft., **60c**.

Bertha Dammann. Magnificent pure white flowers. 1 to 1½ ft., **35c**.

HYDRANGEA—"Snowball"

LILAC—Continued

Charles X. A strong, rapid-growing variety, with large, shining leaves; trusses large, of a reddish purple color. 1½ to 2 ft., **each, 40c**; 2 to 3 ft., extra bushy, **each, 50c**; 3 to 4 ft., extra bushy, **60c**; 4 to 5 ft., extra bushy, **$1.00**.

Congo. Large spikes, with beautiful, dark red flowers. 2 to 3 ft., **60c**.

Crampel. Large trusses and flowers of pale lavender blue. 2 to 3 ft., **60c**.

Dr. Bretschneider. Purplish huds, opening white. 2 to 3 ft., **60c**.

Emodi. Of compact growth with beautiful, large, leathery leaves, flowers light lilac, bloom in June. 2 to 3 ft., **60c**.

Japonica. June. A tree form, with glossy, leathery leaves. It is quite hardy, and the yellowish white flowers come after other lilacs are through. 1½ to 2 ft., **30c**; 2 to 3 ft., **40c**; 4 to 5 ft., **60c**; 6 to 7 ft. Specimens, **$1.00**; 7 to 8 ft., **$1.50**.

Josikaea. (Hungarian Lilac.) Has dark lilac-colored flowers. It blooms the first week in June. It is distinct and valuable. 2 to 3 ft., **50c**.

Mad. Lemoine. Double pure white flowers, borne in large clusters. Strong bushes. 2 to 3 ft., **45c**.

Marie Legraye. Large panicles of white flowers. Valuable for forcing. The finest white Lilac. 2 to 3 ft., **45c**; 3 to 4 ft., extra bushy, **60c**; 4 to 5 ft., **75c**.

Michel Buchner. Dwarf plant, vigorous. Double flowers of pale lilac color. 2 to 3 ft., **45c**; 3 to 4 ft., bushy, **55c**, 4 to 5 ft., bushy, **75c**; 5 to 6 ft. Specimens, **$1.00**.

Othello. Single, dark purplish red, large graceful panicles, 2 to 3 ft., **60c**.

President Grevy. Flowers double, large handsome blue trusses. 2 to 3 ft., **60c**.

Persian Purple. Small glossy leaves that do not mildew. Sweet scented flowers. 2 to 3 ft., **45c**.

Rothomagensis. (Rouen Lilac.) (M.) May. Has arching branches and large, loose, reddish purple flower-plumes that are variable in color. The narrow leaves differ from those of any other lilac. 1½ to 2 ft., **45c**; 2 to 3 ft., bushy, **60c**.

Rubra de Marley. The old-fashioned purple Lilac. Strong bushes. 2 to 3 ft., bushy, **each, 40c**; per 100, **$28.00**; 3 to 4 ft., extra bushy, **each, 50c**; 4 to 5 ft., extra bushy, **75c**; 5 to 6 ft. Specimens, **$1.00**.

Souvenir de L. Spaeth. A distinct and most beautiful variety having immense trusses of deep purplish-red with enormous flowers. 2 to 3 ft., **60c**.

Toussaint l'Ouverture. Single, very deep purple flowers, 2 to 3 ft., **60c**.

Vulgaris Purpurea. (Common Lilac.) Bluish-purple flowers. A standard variety. Always good.

Height	Each	Three	Doz.	100
2 to 3 ft	**$0.35**	**$1.00**	**$3.60**	**$28.00**
3 to 4 ft	**.45**	**1.25**	**4.80**	**38.00**
4 to 5 ft	**.60**	**1.70**	**6.00**	**40.00**
5 to 6 ft	**.75**	....	....	....
6 ft., Specimens	**1.00**	....	....	....

Vulgaris Alba Grandiflora. Flowers pure white and very fragrant. Strong bushes, 2 to 3 ft., **each, 40c; per 100, $30.00**; 3 to 4 ft., **each, 45c; per 100, $35.00**; 4 to 5 ft., **each, 55c; per 100, $40.00**; 5 to 6 ft., **75c**; 6 ft. Specimens, **$1.00**.

LILACS ON OWN ROOTS

These are hardier and usually live longer than the budded stock. Scarce.

Charles X. The best purple lilac. 2 to 3 ft., **$1.25**.

LILAC—Marie Legraye

PHILADELPHUS GRANDIFLORUS

LONICERA (Bush Honeysuckle)

Handsome upright shrubs, often with showy flowers and bright berries. They thrive in almost any fertile soil, and in most instances prefer sunny situations. Invaluable for border or mass planting. Other species are described under "Vines."

Alberti. A low shrub with slender graceful branches. Leaves narrow, glaucous, of bluish green, about an inch long. Flowers rosy pink, fragrant, in late spring or early summer. Berries very large, vinous-red, with a glaucous bloom. Height 1 to 2 feet. Well adapted for rock-gardens. 2 year, **35c.**

Bella Albida. An abundance of white flowers, followed by scarlet fruit in great profusion that hang on a long while; fine. 1½ to 2 ft., **35c.**

Bella Candida. A fine variety, producing fruit of red color in great profusion. 4 to 5 ft., **75c.**

Morrowii. (Japanese Bush Honeysuckle) **(B.)** A strong, vigorous grower with wide spreading branches, with pure white flowers produced in May and June, followed by brilliant red berries; 1 to 1½ ft., **30c;** 2 to 3 ft., **40c.**

Tartarica (Tartarian Honeysuckle). A large shrub with numerous upright or spreading branches. Flowers white or pink, borne in great profusion in late spring. Fruit red or orange, ripening in summer and persisting until autumn. Height 8 to 10 ft.

Tartarica Alba (White Tartarian) **(B.)** 2 to 3 ft., **30c;** 3 to 4 ft., **40c.**

Tartarica Rosea (Pink Tartarian) **(B.)** 2 to 3 ft., **30c;** 3 to 4 ft., **40c;** 4 to 5 ft., **50c.**

Virginalis Alba. White flowers, resembling T. Alba. 3 to 4 ft., **45c.**

LYCIUM (Matrimony Vine)

An old-fashioned hardy shrub with a wealth of scarlet berries. It thrives in almost any fertile soil. The long branches may be trained over fences or trellises, but more effective results may be obtained by planting at the top of retaining walls or steep banks and allowing the graceful stems to fall over. 2 year, **25c;** 3 year, **30c.**

MAHONIA

Aquifolium (Holly-leaved Barberry or Oregon Grape). A handsome ornamental shrub with compound leaves, the 5 to 9 leaflets dark lustrous green, spiny toothed. In winter the foliage assumes a bronze or coppery hue. Flowers yellow, in dense clusters, appearing in spring. Berries blue or nearly black. Hardy throughout most of the country, but requires some protection in the colder sections. One of the most desirable of low growing shrubs. The plants we furnish are balled and burlapped and therefore sure to get an early start. 2 year, **50c;** 3 year, **75c** (balled and burlapped).

MALUS (Pyrus)

Arbutifolia (Choke-Berry). Clusters of small white flowers in May succeeded in August by bright red berries, that remain until Winter. Bright crimson autumn foliage. 1 to 1½ ft., **35c;** 1½ to 2 ft., **40c;** per 100, **$20.00;** 3 to 4 ft., **50c.**

Coronaria (Wild Crab-Apple). A small tree or bush with spreading spiny branches. Leaves heart-shaped, bronze at the time of unfolding, turning yellow or bronze in autumn. Flowers very fragrant, pink, produced in clusters. Fruit yellow-green, fragrant. Frequently used for making preserves. 3 to 4 ft., **75c;** 4 to 5 ft., **$1.00.**

Floribunda (Flowering Crab). Single flower, beautiful carmine in bud; white when open. May. Fruit red, very ornamental in autumn. One of the most desirable of spring flowering shrubs. 3 to 4 ft., **75c;** 4 to 5 ft., **85c;** 5 to 6 ft. Specimens, **$1.00.**

Atro-sanguinea. Flowers crimson, produced in great profusion. A charming variety. May. 3 to 4 ft., **75c;** 4 to 5 ft., **$1.00.**

Purpurea. Very handsome foliage bronzy purple at first, changing to bronze green. Covered with bright cherry-red blossoms in spring. An exquisite all round shrub. 4 to 5 ft., **85c.**

Schiedeckeri (Double-flowering Crab). Flowers double, bright rose, of great substance and durability. Splendid for cut-flowers. 4 to 5 ft., **85c.**

Niedwetskiana. Handsome pinkish white flowers, grand variety. 4 to 5 ft., **85c.**

Spectabilis Fl. Albo Pleno. Chinese Double White Flowered Crab. 3 to 4 ft., **75c;** 4 to 5 ft., **$1.00.**

Spectabilis Fl. Roseo Pleno. Chinese Double Rose Flowered Crab, nearly 2 inches in diameter. 2 to 3 ft., **50c.**

MATRIMONY VINE—See Lycium.

MORUS (Mulberry)

Tartarica. (Russian) 20 to 25 ft. Hardier in the northwest than all others. 1 to 1½ ft., **25c;** per 100, **$12.00;** 1½ to 2 ft., **30c;** per 100, **$15.00;** 2 to 3 ft., **35c;** per 100, **$25.00.** For larger sizes, see Trees.

PHILADELPHUS OR SYRINGA (Mock Orange)

Indispensable well-known shrubs that are prized for their beautiful foliage and white flowers. The taller kinds flower profusely and nothing is finer in their season; while the dwarf varieties do not bloom so lavishly, they form pretty, compact bushes, useful for the front of shrubberies.

Avalanche (B.) New. The flowers are large, white, very sweet and produced in such profusion that their weight bends the long slender branches almost to the ground, producing a most wonderful effect as if the branches were loaded with new fallen snow. 2 to 3 ft., bushy, **each, 40c;** 3 ft., bushy, **50c.**

Bouquet Blanc. Double or semi-double flowers; very floriferous. 2 to 3 ft. bushy, **40c;** 3 to 4 ft. bushy, **50c.**

Coronarius Aureus (Golden leaved Mock Orange), Much prized for its bright effect. 1 to 1½ ft., bushy, **40c.**

Coronarius Fl. Pl., (A). Covered with sweet scented double white flowers in June. 1½ ft., bushy **40c;** 2 ft., bushy, **50.**

Dianthiflorus Fl. Pl. (B.) A dwarf-growing variety, with double cream-colored fragrant flowers. 1½ to 2 ft., extra bushy, **50c.**

Grandiflorus (A.) (Large-flowered Syringa or Mock Orange). Without a doubt one of the most popular shrubs grown, and ought to be in every garden, no matter how small. Flowers are pure white, very large and it is one of the freest flowering of the genus. 2 to 3 ft., bushy, **35c;** 3 to 4 ft., bushy, **50c;** 4 to 5 ft., bushy, **75c;** 5 to 6 ft., bushy, **$1.00.**

Lemoinei Erectus (B.) A charming variety of erect growth; creamy white fragrant flowers, smaller than the other varieties, but very attractive. Distinguished by its smaller leaves. 2 to 3 ft., bushy, **40c.**

Manteau d'Hermine. Flowers double or semi-double, creamy white, covering the branches. Fine. Habit dwarf. 2 to 3 ft., bushy, **75c.**

PRIVET. See Ligustrum.

PRUNUS (Plum)

Ornamental and Flowering Varieties.

BURBANK'S OTHELLO PLUM. (Purple-leaved Plum.) Introduced by us many years ago, having purchased the first and only tree from the originator. It is an ornamental shrub of rare beauty, the growth is vigorous and upright. The white flowers appear early in spring before the leaves and literally cover the tree. The foliage is deep crimson purple, lighter on the under side of leaves, holds well into the fall, forming a grand contrast with the lighter tints of other shrubs. It is very similar to Prunus Pissardi, but much hardier.

Height	Each	Three	Doz.
5 to 6 ft	$1.00	$2.90	$11.00
6 to 7 ft	1.25	3.50	....
7 to 8 ft	1.50	4.25	....
8 ft. Specimens	2.00	....	....

Pissardi (A.) (Purple-leaved Plum.) A small tree or shrub. The young branches are a dark purple; the leaves, when young, are lustrous crimson, changing to a dark purple, and retain this beautiful tint till they drop, late in autumn. The tree is covered early in the spring with small, single white flowers, which appear before the leaves. Beautiful as lawn specimens, or grouped with other shrubs and trees for foliage effect. 4 to 5 ft., **75c.**

Spinosa (Blackthorn Irish Shillelah.) White flowers borne on solitary peduncles before the leaves appear. A well known shrub with branches inclined to be spiny. Round black fruit, very acid. 5 to 6 ft., **60c;** 6 ft. specimens, **75c.**

Tomentosa. (B.) This shrub covers itself in early spring with pink blossoms and in early fall it produces an abundance of red cherry-like fruit, edible by man and beast, and much sought after by birds. 3 ft bushy, **50c.**

Triloba (B.) (Double-flowered Plum.) Native of China. A very desirable addition to hardy shrubs; flowers double, of a delicate pink, upwards of an inch in diameter, thickly set on the long, slender branches; flowers in May before the leaves unfold. 2 to 3 ft., **50c;** 3 ft., specimens, **75c.** Tree form, 4 ft., **$2.00**

PTELEA (Hop Tree)

Trifoliata. A large shrub or small tree of rapid growth and robust habit. Fruit winged, and in clusters, flowers in June. Succeeds well in the shade. 3 to 4 ft., **30c;** per 100. **$25.00;** 4 to 5ft., **40c;** 5 to 6 ft., **50c;** 6 ft. specimens **75c.**

"Planting Suggestions" is the title of a small pamphlet published by us, in which will be found selections of the best and most suitable trees for various purposes and aspects, and the flowering periods of many beautiful Flowering Shrubs, hardy around Chicago. Full planting instructions are also given. It is free on request.

MAHONIA (Oregon Grape)

RHAMNUS (Buckthorn)

Hardy vigorous shrubs with handsome foliage and showy berries. The larger-growing species are well adapted and often used for hedges, both informal and clipped. They thrive in moist, loamy soils. and are not adverse to partial shade.

Catharticus (A.) A fine. robust shrub, with dark green foliage, white flowers and small black fruit. A popular hedge plant. 2 to 3 ft., **each, 30c;** per 100, **$22.00;** 3 to 4 ft., **40c;** 4 to 5 ft., **50c.**

Frangula (Alder Buckthorn.) **(B.)** A valuable and decorative species of erect habit with glossy leaves and black berries. Its long black branches speckled with white are very attractive in winter. 6 to 7 ft., **$1.00;** 8ft. Specimens, **$1.50.**

Imeritina (B.) A variety remarkable for its foliage. The leaves are dark and sometimes reach a length of nine inches, assuming a rich bronze tint when full grown. 3 to 4 ft., **75c.**

RHODOTYPOS (White Kerria)

Kerrioides (C.) A very ornamental Japanese shrub of medium size with handsome foliage and large single white flowers in the latter part of May, succeeded by numerous black berries. 2 to 3 ft., bushy. **40c;** 3 ft., bushy, **50c.**

RHUS (Sumach)

Aromatica. (Fragrant Sumach). **(D.)** A dwarf shrub with very attractive foliage, the leaves when bruised emitting a fragrant odor, and turn brilliant red in the fall. 2 to 3 ft., **40c.**

Copallina (Dwarf or Shining Sumach). **(D.)** Beautiful shining green foliage changing to rich crimson in autumn. Greenish yellow flowers in August. 2 to 3 ft., **40c.**

Cotinus (Smoke Tree). A small tree or large shrub with obovate leaves. Flowers pale purple, borne in loosc panicles, the pedicels of which soon lengthen and become plumose, lending the smoky aspect which gave to the plant its common name. A highly ornamental object. In autumn the foliage assumes brilliant tones of red and yellow. 2 to 3 ft., **40c;** 3 to 4 ft., **50c;** 4 to 5 ft., **75c;** 5 to 6 ft., Specimens, **$1.25.**

Glabra (Smooth Sumach). A shrub or low tree with an open crown. Leaves compound, dark green above, whitened beneath, turning brilliant scarlet in autumn. Flowers in large terminal panicles, soon followed by the crimson fruiting clusters, which persist all winter. Beautiful for massivé effects. 2 to 3 ft., **25c;** 3 to 4 ft., **35c;** 4 to 5 ft., **40c.**

Glabra Laciniata (Cut-leaved Sumach). A very striking plant, of moderate size, with deeply cut leaves resembling rich fern leaves; dark green above and glaucous below, and turning to a rich red in autumn. 2 to 3 ft., **40c;** 3 to 4 ft., **50c.**

Typhina (Staghorn Sumach). A large shrub or tree, brilliant foliage and scarlet fruit in autumn. 2 to 3 ft., **25c;** 8 to 10 ft., **$1.00.**

Typhina Laciniata (Fern-leaved Staghorn Sumach). As its name indicates, the branches resemble the elk's horn while developing, and it is one of the most tropical-looking native shrubs we possess. The foliage is finely cut and as beautiful as a tree fern. A rare novelty originating in the White Mountains. Attains height of 20 ft., but is generally used as a shrub. It turns a golden yellow in the fall. 2 to 3 ft., **30c;** 3 to 4 ft., **45c;** 5 to 6 ft., **60c;** 8 to 10 ft. Specimens, **75c** to **$1.00.**

RIBES OR FLOWERING CURRANT

Alpinum (B.) An attractive shrub with fragrant golden-yellow flowers and deep scarlet fruit. 1½ to 2 ft., **40c.**

Aureum (Yellow-flowering, or Missouri Currant.) **(B.)** A native shrub with glabrous shining leaves and yellow sweet scented flowers in June. 2 to 3 ft., bushy, **35c;** 3 to 4 ft., bushy, **40c.**

ROBINIA HISPIDA (Rose Acacia) (A)

A very handsome shrub. The branches closely resemble those of a Moss Rose. The leaves are similar to those of the Locust. In June and July long panicles of rose-colored flowers hang from the branches. 1½ to 2 ft., **50c.**

ROSA (Rose)

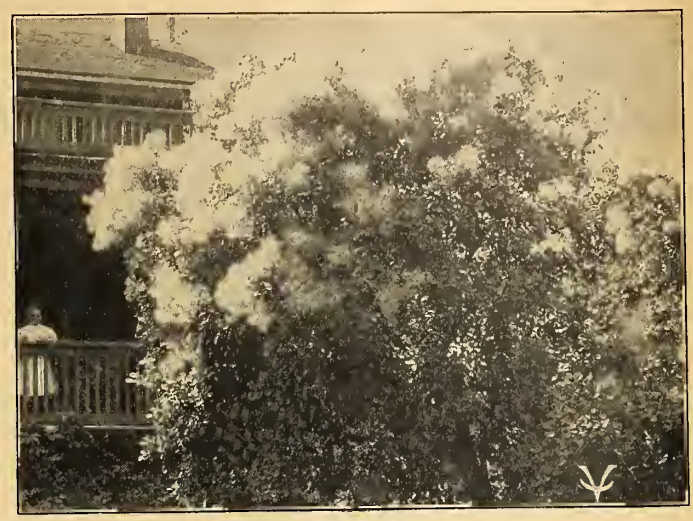
Blanda. (Meadow Rose.) Pink flowers followed by red berries. Very ornamental in winter. 2 yr., **30c;** 3 yr., **40c.**

Carolina. Very similar to above. 2 yr., **30c;** 3 yr., **40c.**

Lucida. Single bright pink flowers, with bright red bark and berries in winter. 2 yr., **30c;** 3 yr., **40c.**

PUSSY WILLOW (Salix Discolor)

SNOWBERRY—See Symphoricarpus



RHUS COTINUS

ROSA.—Continued.

Rubiginosa. (True English Sweet Briar.) This is the true Eglantine. It is perfectly hardy, and once it is planted, little, if any, care is necessary. 2 yr, **30c.**

Rubrifolia. Valued for its beautiful reddish green foliage, as well as for its pink flowers in early June. 2 year, **30c;** 3 year, **40c;** 4 year, **50c.**

Rugosa Rubra. This red-flowered single Japanese rose is very valuable for shrubberies, Bright pink flowers in May, with large tomato-like berries in winter. 2 yr., **30c.**

Setigera. (Prairie Rose.) Small single pink flowers and extra fine foliage, sometimes called the bramble leaved rose. 2 year, **30c;** 3 year, **40c.**

SALIX (Willow)

The Willows will grow anywhere, but do best in rich moist soil. They are particularly valuable as among the few trees that will endure the harsh winds of the sea coast.

Britzensis. (Golden Russian Willow.) Short trunk, dense growth of golden yellow branches; leaves silvery white. 4 to 5 ft., **40c;** 5 to 6 ft., **50c.**

Discolor (Pussy Willow). A small tree with upright or ascending branches. Catkins appearing in early spring before the leaves appear. Very handsome in flower and greatly esteemed. 18 to 24 inch, **25c;** per 100, **$15.00;** 3 to 4 ft., **30c;** per 100, **$20.00;** 4 to 5 ft., **45c;** per 100, **$35.00;** 5 to 6 ft., **60c.**

Laurifolia, (Laurel-leaved Willow). A rapid grower, erect form, with broad glossy, dark green-leaved: admirable for sea-shore and narrow streets. 2 to 3 ft., **30c;** 3 to 4 ft., **40c;** 4 to 5 ft., **50c;** 5 to 6 ft., **60c.**

Osier. (Tying Willow). Very vigorous: red bark. This is the best willow for tying. 3 to 4 ft., **30c;** 4 to 5 ft., **45c;** 5 to 6 ft., **60c.**

SAMBUCUS (Elder)

Hardy vigorous-growing shrubs with showy flowers and a profusion of berries. They thrive best in moist loamy soils, and are well adapted for waterside and border planting.

Nigra. (The Black Elder.) 3 to 4 ft., **50c.**

Nigra Aurea. (A.) Golden-leaved. The golden foliage of this makes it in much demand. It makes a showy appearance when planted in shrub beds. 2 to 3 ft., **35c;** 3 to 4 ft., **50c.**

Nigra Laciniata. (Cut-leaved Elder.) The foliage is deeply cut and incised, lending an airy fern-like aspect. Very attractive. 2 to 3 ft., **35c:** 3 to 4 ft., **50c;** 4 to 5 ft., **60c.**

Racemosa. Attractive red berries in summer. 2 to 3 ft., **40c;** 3 to 4 ft., **60c.** 5-6 ft., Specimens, **75c.**

SHAD BUSH. See Amelanchier.
SILVER THORN. See Eleagnus,
SMOKE TREE. See Rhus Cotinus.
SNOWBALLS. See Viburnum,
SNOWBERRY. See Symphoricarpus.
SWEET BRIAR. See Rosa Rubiginosa.
SWEET SHRUB. See Calycanthus.

SPIRAEA

A large group of showy, free-flowering, hardy shrubs. Some of the species bloom in early spring, others in midsummer, while some produce their flowers from summer until fall.

Anthony Waterer. (B.) Perpetual-blooming Red Spiraea. A fine, hardy perpetual-blooming shrub, very desirable for the lawn. Makes nice, round bushes 3 ft. high and wide; beginning to bloom in summer, continuing until fall. Rose red flowers in large, round clusters all over the bush. 1 to 1½ ft., **35c;** 1½ ft., extra bushy. **50c.**

Arguta Multiflora (Snow Garland). A remarkably floriferous and showy shrub. Leaves narrow, bright green fading with tones of yellow and orange. Flowers pure white, borne in great profusion in early spring. Height 3 to 5 ft. One of the best of the early Spiraeas. 2 to 3 ft., **40c;** 3 to 4 ft., extra bushy, **75c;** 4 to 5 ft., Specimens, **$1.00.**

Billardii. (B.) Pink flowers; blooms nearly all summer. It is a grand subject for planting in masses, and makes a good cut flower. 1½ to 2 ft., **35c;** 3 to 4 ft., **50c.**

Bumalda. A bushy plant with good foliage and abundance of rosc pink flat flower heads. Desirable as an edging for shrubberies. 1½ to 2 ft., **50c.**

Callosa Alba. (Fortune's Dwarf White Spiraea.) A white flowering variety, of dwarf, bushy, symmetrical form. Keeps in flower all summer. A valuable small shrub. 1½ to 2 ft. **50c.**

Callosa Froebeli Variegata. A variegated leaved, free-flowering variety, flowers rose. 1½ to 2 ft. **50c.**

Callosa Rubra. (Fortune's Spiraea.) **(D.)** Has large panicles of deep rosy blossoms, grows freely and blooms nearly all summer. 1½ to 2 ft. **50c.**

Opulifolia. (Nine Bark.) A tall shrub with spreading branches, growing 8 to 10 ft. high. Flowers whitish, in early summer, disposed in numerous clusters. Especially valuable for shaded places. 2 to 3 ft. **35c;** 3 to 4 ft. **50c;** 4 to 5 ft. **75c;** 5 to 6 ft, Specimens **$1.00.**

VIBURNUM CARLESII

SPIRAEA—Continued

Opulifolia aurea. (Golden-leaved Nine Bark.) **(B.)** Golden-yellow tinted foliage, and white flowers in June. Very conspicuous. 2 to 3 ft., **35c.**

Prunifolia Fl. Pl. (Double Flowered Plum-leaved Spiraea.) A beautiful shrub from Japan, with pure white flowers like white daisies, in May. Keeps in flower a long time and justly merits to be placed in the front rank among flowering shrubs. 2 to 3 ft., **50c;** 3 to 4 ft., **75c.**

Sorbifolia. **(B.)** A vigorous species, with leaves like those of the Mountain Ash, and long, elegant spikes of white flowers in July, 2 to 3 ft., **40c.**

Thunbergii. (Thungberg's Spiraea.) **(B.)** Of dwarf habit and rounded, graceful form; branches slender and somewhat drooping; foliage narrow and yellowish green; flowers small, white, appearing early in spring, being one of the first Spiraeas to flower. When in bloom they appear as if covered with snow 1½ to 2 ft., bushy, **30c;** 2 to 3 ft., extra bushy, **50c;** 3 ft. Specimens, **75c.**

Van Houttei (Bridal Wreath) This is without a doubt the most beautiful and useful of shrubs. Always effective if planted singly or in groups on the lawn, in front of the porch, in shrub borders or in a hedge. Handsome throughout the entire year. Our stock is very large and in splendid condition.

Height	Each	Three	Doz.	100
1 to 1½ ft	$0.25	$0.65	$2.40	$15.00
1½ to 2 ft.	.35	1.00	3.60	20.00
2 to 3 ft.	.40	1.10	4.00	25.00
3 ft. extra bushy	.50	1.40	5.40	30.00
3-4 ft " "	.60	1.70	6.60	45.00
4-5 ft " "	.75	.....	.....	.....

STEPHANANDRA FLEXUOSA (C)

A very hardy shrub, resembling the Spiraea; flowers white; blooms in July and August. One of the most desirable of the dwarf shrubs, with branches and eaves from the ground. 18 to 24 in. Extra bushy, **35c.**

SYMPHORICARPUS

(The Coral-Berry, Indian Currant and Snowberry)

Small native shrubs much used in shaded places and in open masses. Grow in almost any soil; quite hardy; very ornamental, when covered with berries.

Heyeri. **(B.)** Handsome shrub; blooms freely when small; flowers pretty pink in July and August; berries white. 2 to 3 ft., **30c.**

Occidentalis. **(B.)** One of the prettiest of the Snowberries; growth strong and drooping; leaves large; flowers reddish white. 2 to 3 ft., extra bushy, **30c.**

Racemosus. (Snowberry.) **(B.)** A graceful shrub, 3 to 5 ft. tall, with slender branches. Flowers white or pinkish, in loose racemes, in summer. 1½ to 2 ft., **30c;** 2 to 3 ft., bushy, **35c.**

Vulgaris. (Coral-Berry or Indian Currant.) **(B.)** A grand shrub, producing a wealth of red or purplish berries which remain on the branches all winter. Leaves ovate, bright green. 2 to 3 ft., bushy, **30c;** 3 to 4 ft., **35c.**

WEIGELIA—Eva Rathke

TAMARIX (B)

Shrubs of strong but slender, upright growth; clothed in foliage as light and feathery as that of the asparagus.

Their delicate fringed flowers are usually some warm shade of pink or red and so are very ornamental at the back of shrubbery borders, and valuable for seaside planting

Amurense. A splendid new hardy variety, with silky pink tassels; flowers all summer. 2 to 3 ft., **40c;** 3 to 4 ft., **50c;** 4 to 5 ft., **60c.**

Hispida Aestivalis. A new variety of vigorous growth. In May the branches are covered half their length with numerous bright carmine-pink flowers. Blooms for a long time, 2 to 3 ft., **35c;** 3 to 4 ft., **50c.**

VIBURNUM

(The Arrow-woods, High Bush Cranberry and Snowballs)

The Viburnums are one of the most useful shrubs, being very hardy and of good habit. They all have white flowers mostly on flat heads and with a few exceptions are noted for their handsome clusters of berries. The foliage frequently assumes brilliant and intense color tones in the autumn.

Carlesii. A dwarf compact shrub, bearing large corymbs of white blossoms, of a strong delicious fragrance, quite surpassing any shrub we know of, and equal to that of a Bouvardia. Very rare. 12 to 15 ins., extra bushy, **$1.00;** 2 to 3 ft. extra bushy, **$1.50.**

Dentatum. **(B.)** May and June. A free-flowering shrub, especially admired for the abundance of its blue fruits that cling to the branches a long time. 3 to 4 ft., extra bushy, each, **50c.;** 4 to 5 ft., Specimens, **$1.00.**

Lantana. (Early white Lantana-leaved Viburnum.) **(A.)** Large, robust shrub, with soft, heavy leaves, and large clusters of white flowers in May, succeeded by red fruit; retains its foliage very late. 1½ to 2 ft., **35c;** 2 to 3 ft., bushy, **40c;** 3 to 4 ft., extra bushy, **50c;** 5 to 6 ft., Specimens, **$1.00.**

Molle. A variety similar to V. Dentanum, but differing from that variety by having larger foliage, is a more robust grower and flowers two to three weeks later. 2 to 3 ft., **40c;** 3 to 4 ft., **60c.**

Opulus. (High Bush Cranberry.) **(A.)** May. Spreading habit. Single white flowers borne in flat, imperfect clusters followed by clusters of red berries that cling to the leafless branches all winter. 1½ to 2 ft., **30c;** 2 to 3 ft., bushy, **40c;** 3 to 4 ft. extra bushy, **50c;** 4 to 5 ft. Specimens, **$1.00** to **$1.50.**

SPIRAEA VAN HOUTTEI

Plicatum. (Japanese Snowball.) The old-fashioned Snowball is one of the most valuable of our hardy shrubs. It forms an erect, compact bush, 6 to 8 feet high. It blossoms in early June, being covered with large balls of flowers as white as snow. 2 to 3 feet, bushy, **35c;** 3 to 4 feet, bushy, **50c;** 4 to 5 ft., **60c.**

Pyrifolium. (Pear-Leaved V.) Flowers white and fragrant, blooming about two weeks later than other varieties. 2 to 3 ft., **40c;** 3 to 4 ft., bushy, **60c.**

Rhytidophyllum. Large, deep green, corrugated leaves, 6 to 8 inches long. Very decorative. Terminal umbels of yellowish white flowers, followed by dark red berries in fall. New and distinct. Each, **$1.00.**

Sterilis. (Old Fashioned Snowball.) Too well known to require description. 2 to 3 ft., bushy, each **35c;** 3 to 4 ft., extra bushy, **50c;** 4 to 5 ft., extra bushy, **75c;** 5 to 6 ft., Specimens, **$1.50.**

Tomentosum. **(B.)** The single form of the beautiful Japan Snowball.; Flowers pure white, in great profusion early in June. Perfectly hardy vigorous and free-blooming; very desirable. 2 to 3 feet, **50c;** 3 to 4 ft., **60c.**

WEIGELIA (Diervilla) (B)

These shrubs bloom after the lilacs, in June and July. They make a strong growth, erect when young, gradually spreading and drooping into most graceful shapes with age. Their large flowers are of wide trumpet-shape, colors from white to red, and borne in clusters thickly along the branches.

Amabilis. Of robust habit. Large foliage and pink flowers. Blooms freely in the autumn. 1½ to 2 ft. **35c;** 2 to 3 ft., **40c;** 3 to 4 ft., **50c.**

Candida. White Weigelia, flowering throughout the summer. 2 to 3 ft., **35c;** 3 to 4 ft., **45c.**

Eva Rathke. A charming new Weigelia. Flowers brilliant crimson; flowering throughout the summer. The best of all Weigelias. 2 to 3 feet, **35c;** 3 to 4 feet, **40c.**

Floribunda. Fine variety, flowers dark red. Profuse bloomer, 2 to 3 ft., **40c;** 3 to 4 ft., **60c.**

Nana Variegata. **(C.)** One of the most conspicuous shrubs; leaves beautifully margined, creamy white; flowers pink. A dwarf grower and admirably adapted to small lawns or gardens. 2 to 3 ft. **60c.**

Rosea. A beautiful shrub, with rose-colored flowers. 2 to 3 ft. **35c;** 3 to 4 ft., **50c.**

Sessilifolia. A native shrub 3 to 4 feet high, of somewhat spreading growth bearing terminal, loose heads of yellow flowers in July, continuing for some weeks. 2 to 3 feet, **40c.**

XANTHOCERAS SORBIFOLIA (A)

A rare shrub with stout, upright branches, pinnate foliage and slender pinacles of white flowers that are blotched with yellow and red. Valued for solitary planting. 2 year, **40c.**

WILLOW. See Salix.

NORWAY MAPLE

A BLOCK OF ENGLISH ELMS AT OUR NURSERIES

LOMBARDY POPLAR

SHADE AND ORNAMENTAL TREES

We invite a visit to our Nursery to inspect our stock of Ornamental Shrubs, Fruit and Shade Trees, etc. We have a choice lot of Specimens such as are not usually seen. Our Nursery is located at Western Springs (15 miles west of Chicago on the C. B. & Q. R. R.,) two blocks south of 47th Street on the continuation of East Boulevard.

Prices of 3 and 12 of a kind are given on page 125.

Where personal selection of any stock is made by customers at our nursery, we always charge according to its value.

SHIPPING DIRECTIONS: Tree orders amouting to $10.00 and over include prepayment either by express or freight, within limits of Chicago. Otherwise Trees must be sent by express or freight, customers paying charges. Always give full and explicit shipping directions, as our responsibility ends on delivery of Shrubs and Trees in good condition to the freight or express office.

ALDER (Alnus)

Glutinosa. (European or Common Alder.) A remarkably rapid-growing tree, attaining a height of from thirty to sixty feet. Foliage roundish, wedge-shaped and wavy. 10 to 12 ft. 2 in. cal.,, **$2.00.**

ASH (Fraxinus)

Americana. (American White Ash.) A fine tree that produces large clusters of greenish white flowers on the ends of the branches in June. A desirable shade tree for street or lawn planting. 3 to 4 ft., **25c;** 4 to 5 ft., **35c;** 10 to 12 ft., 2½ in. cal., **$2.50;** 10 to 12 ft , 3 in. cal., **$3.00;** 10 to 12 ft., 4 in. cal., **$4.00;** 4½ in. cal., **$5.00.**

Excelsior. (European Ash.) A lofty tree, of rapid growth, with spreading head and gray bark, pinnate leaves and black buds. It thrives in moist ground. 10 to 12 ft. 2½ inch cal., **$3.00;** 3 inch cal., **$3.50;** 10 to 12 ft., 4 in. cal., **$4.00.**

Viridis. (Green Ash.) A beautiful tree with glossy green leaves and symmetrical habit, rapid growth. A splendid tree for street planting. 3 to 4 ft., **25c;** 4 to 5 ft., **35c;** 10 to 12 ft., **$1.75;** 12 ft., 2 in. cal. **each $2.00;** 12 ft. 2½ in. cal. **$2.50;** 12 ft., 3 in. cal., **$3.00;** 12 ft. 4 in. cal., **$4.00.**

BIRCH (Betula)

Alba Laciniata. (European White Weeping Birch.) A graceful tree, with silvery bark and slender branches. Quite erect when young, but after four or five years' growth assumes an elegant drooping habit, rendering the tree very effective in landscapes. 8 to 10 ft., **$2.50.**

Lenta. (Sweet Bark or Cherry Birch.) A native tree with dark brown bark and bronze-reddish twigs. Leaves somewhat heart-shaped. Thrives in low as well as high ground. 12 ft. 2 to 3 in. cal., **$4.00 each.**

BOX ELDER (Ash Leaved Maple)

A rapid growing tree with wide spreading branches having bright green leaves, turning yellow in early autumn. 6 to 8 ft., **$1.25;** 12 to 14 ft., 3 to 3½ in. cal., **$4.00.**

CATALPA

Bungei. (Umbrella Tree.) These beautiful globe-shaped tops being grafted high on clean straight stems form one of the most valuable trees for lansdcape designing, especially for formal effects. 5 ft. clear stem, **$2.00;** 6 ft., **$2.50.**

Kaempferi. (Japan Catalpa.) A species of rapid growth, with deep green, glossy foliage. Flowers fragrant, cream-colored, speckled with purple and yellow; seed pods long and very narrow; two weeks later than Syringaefolia. 4 to 5 ft., **35c;** 5 to 6 ft., **60c;** 12 to 14 ft., 2 to 2½ in. cal., **$3.00 each;** 12 to 14 ft., 3 in. cal., **$4.00.**

Speciosa. (Western Catalpa.) One of the most rapid growers, producing large panicles of fragrant white flowers delicately marked with violet and yellow. Reliable, hardy and extensively planted. 4 to 5 ft., **50c;** 6 to 8 ft., **75c each;** 10 to 12 ft., **$1.25;** 10 to 12 ft. 2½ inch cal., **$2.50;** 3 inch cal., **$3.00;** 12 to 14 ft. 3½ in. cal., **$4.50;** 12 to 14 ft., 4 in. cal., **$5.00 each.**

Syringaefolia. (Common Catalpa.) Native of the Southern States. A showy rapid-growing, spreading, irregular tree, with very large, heart-shaped leaves, and pyramidal clusters of white and purple fragrant flowers. 4 to 5 ft., **35c;** 5 to 6 ft., **60c;** 12 to 14 ft. 3 in. cal., **$3.50.**

CRAB. See **Malus Floribunda.**

ELM (Ulmus)

American. The ideal street tree. We offer shapely trees.

Height	Caliper	Each	100
8 to 10ft		$0.75	
10 to 12 ft.,	1½ to 2 in.	2.00	$185.00
10 to 12 ft.,	2½ in.	2.60	225.00
10 to 12 ft.	3 in.	$3.25 to 4.00	
12 to 14 ft.	3 in.	$4.00 to 5.00	

Height	Caliper	Each
12 to 14 ft.	4 in.	$ 6.00 to $10.00
12 to 14 ft.	5 in. cal.	12.00 to 15.00
12 to 14 ft.	6 in. cal.	18.00 to 22.00
14 to 16 ft.	7 in. cal.	22.00 to 30.00
14 to 16 ft.	8 in. cal.	35.00 to 40.00

Write for prices on larger lots.

English Elm. (U. Campestris.) A large tree with spreading branches forming Pyramidal heads. Leaves deep rich green, persisting and holding their color longer than any other species. Extensively planted as a shade tree in both lawns and avenues. 10 to 12 ft., 1½ in. cal., **each $2.75;** 10 to 12 ft. 2 in. cal., **$3.50;** 10 to 12 ft., 2½ in. cal., **$4.00;** 12 to 14 ft., 2½ in. cal., **$5.00 each;** 12 to 14 ft., 3 in. cal., **$5.50.**

Scotch Elm. (U. Campestris Latifolia.) A very robust tree with large leaves. One of the best shade trees; highly colored until late autumn. 10 to 12 ft., 1½ in. cal., **$2.75;** 10 to 12 ft., 2 in cal., **$3.25;** 10 to 12 ft., 2½ in . cal., **$4.00;** 10 to 12 ft., 3 in. cal., **$5.00.**

Monumental Elm. (U. Campestris Monumentalis.) A slow growing variety forms a straight dense column reminding one of a Lombardy Poplar. Very distinct and beautiful. 8 to 10 ft., **$1.75; each;** 12 ft., 2 to 2½ in. cal., **$3.50 each;** 12 ft., 2½ in. cal., **$5.00 each.**

Campestris Dampieri, Pyramids 10 ft. **$2.00 each.**

Horizontalis. Similar to the Camperdown Elm, but the branches grow straight out from the main stem (hence the name), instead of growing down. 8 ft. clear stem, 6-year heads, **$15.00 to $20.00 each.**

Montana Var. Camperdown Pendula. (Camperdown Weeping Elm.) A very picturesque and graceful form with drooping branches; grafted high on straight stems. It is of rank growth, the shoots often making a zigzag growth outward and downward of several feet in a single season. 8-ft. stems, 4, 5 and 6 year heads, **$12.00 to $20.00 each.**

Purpurea. (Purple-leaved.) A variety with large purple leavcs in the spring, changing to dark green as season advances. 12 ft., 2½ inch cal., **$3.00 each;** 12 ft., 3 in. cal., **$4.00;** 14 ft. 3½ in. cal., **$5.00 each.**

Huntingdon Elm. (Ulmus Vegeta.) Clean, smooth bark, erect, stately habit. Not as subject to attacks of insects as some kinds, and one of the very best ornamental trees for any purpose. 8 to 10 ft., **$1.50 each.**

GINGKO BILOBA (Maidenhair Tree)

This tree is remarkable as a deciduous member of the Pine family, with leaves that resemble those of the Maidenhair Fern. Its value lies in the fact that it is immune from the ordinary attacks of insects and withstands so well the unnatural conditions of our cities. It is highly ornamental on lawns or public grounds, Of medium height, pyramidal in growth, sparsely branched, and of characteristic irregular outline. 6 to 8 ft., **$1.75 each;** 8 to 10 ft. 2 in. cal., **$3 50 each;** 10 to to 12 ft. 2½ in. cal., **$5.00 to $8.00 each.**

JUDAS TREE (Red Bud)

It blooms in early spring. Its masses of small delicate rosy red flowers wreathe the leafless branches so quickly as to give very fine contrasts and cheery spring effect. 5 to 6 ft., **$1.00 each;** 6 to 7 ft., **$1.25 each.**

WEEPING MULBERRY (M. Tartarica Pendula)

Ornamental Trees—Continued

LINDEN (Tilia)

Americana. (American Linden.) A fast growing, upright, close-headed native tree with large leaves and fragrant flowers. Grows well in light soil. 8 to 10 ft., 2 in. cal., **$2.00** to **$3.00 each.**

Crimean Linden. (T. Dasystila.) A handsome tree with a pyramidal head. Leaves heart-shaped, dark lustrous green on the upper surface, pale beneath. turning yellow and brown in autumn. A distinct and valuable Linden, 10 ft., 2 in cal., **$2.25 each;** 12 ft., 2½ in. cal., **$3.00 each.**

European Linden. (Tilia Europaeus.) Develop into symmetrical trees that are splendid for lawn, park or street planting. Thrive best in deep loamy soils, Bush form. 8 to 10 ft., 2 in cal., **$2.50 each.**

LOCUST (Robinia)

Pseud-acacia. (Black or Yellow Locust.) A native tree and valuable for its timber as well as ornamental. It is well known for its beauty when loaded with its racemes of creamy flowers in spring. 3 to 4 ft., **35c each;** 4 to 5 ft., **40c;** 5 to 6 ft., **45c.**

Honey Locust (American.) (Gleditschia Triacanthus.) A tree of picturesque outline and rapid growth. Thrives on very light soils. Often used for hedges and wind-breaks. 2 to 3 ft., **35c;** 3 to 4 ft., **45c;** 8 to 10 ft., 2 in cal., **$2.00.**

MAPLE (Acer)

Geneva. A variety of the Norway from Geneva, N. Y. The foliage takes on a handsome purple tinge in July, retaining it until the leaves fall. 8 ft. 2 in. cal., **$4.00 each;** 9 ft., 2½ in. cal., **$5.00.**

Norway Maple. (Platanoides.) A large, handsome tree, of spreading rounded form, with shiny, deep green foliage. Usually very symmetrical. Its compact habit and stout vigorous growth render it one of the most desirable species for the street, park or lawn. 8 to 10 ft., **$2.00;** 10 to 12 ft., 2 in cal., **$3.00;** 12 ft., **$4.00** to **$5.00;** 12 ft., 3 in cal., **$6.00** to **$8.00;** 4 in cal., **$10.00** to **$12.00.**

Schwedleri (Purple-Leaved Maple.) A handsome tree with beautiful foliage, in the spring a purplish crimson changing to dark green during the summer and fading to tones of purple, red and brown in the fall. Has the same form and other characteristics of the **Norway Maple.** 8 to 10 ft., **$2.00;** 10 ft., 2 in cal., **$3.00;** 10 ft., 2½ in cal., **$4.00;** 10 ft., 3 to 4 in cal., **$6.00** to **$15.00.**

Silver Maple. (Dasycarpum.) A large tree with wide spreading branches and drooping branchlets. Very fast grower, makes dense shade and thrives in any soil. We offer especially fine trees for street planting with high set branches. 10 to 12 ft., **$1.75 each;** 10 to 12 ft., 2½ in cal., **$2.00 each;** 10 to 12 ft., 3 in cal., **$3.00 to $4.00 each.**

Wier's Cut-leaved Silver Maple. (Dasycarpum Wierii.) One of the most remarkable and beautiful trees with cut or dissected foliage. A rapid grower with long, slender drooping branches, often sweeping the ground. Foliage is abundant, silvery underneath and on the young wood, especially deeply and delicately cut. 8 to 10 ft., **$1.25;** 10 to 12 ft., 2½ in cal., **$3.00;** 12 to 14 ft., 3 in cal., **$5.00.**

MOUNTAIN ASH (Sorbus)

European Mountain Ash. A small pretty tree with pinnate leaves, laden until winter with large clusters of red berries. Examine for borers in spring and autumn. 8 to 10 ft., **$1.00;** 10 to 12 ft., 2 in. cal., **$1.75;** 10 to 12 ft., 2½ in. cal. **$2.50;** 12 to 14 ft., 2½ to 3 in. cal., **$3.50.**

Golden-Leaved Monutain Ash. A handsome variety, foliage bright yellow. Very effective, especially in Fall and Winter when covered with its scarlet berries. 12 ft., 2 to 2½ in. cal., **$2.00;** 12 ft., 2½ to 3 in. cal. **$2.50.**

MULBERRY (Morus)

Tartarica. (Russian). Very hardy, vigorous grower, fruit of small size, varies in color from white to black. 12 to 18 in., **25c;** per 100, **$12.00;** 1½ to 2 ft., **30c;** per 100, **$15.00;** 2 to 3 ft., **35c;** per 100, **$25.00.**

Weeping Mulberry (Tartarica Pendula). The most beautiful weeping tree of recent introduction. The slender branches grow downward parallel with the stem, forming an umbrella-like shape. All who have seen it agree that in light, airy gracefulness and delicacy of form, it is without a rival. It undoubtedly takes the foremost place among weeping trees; it has beautiful foliage; is hardy, enduring the cold of the north and the heat of the south. 5 to 5½ ft. stem, 2 yr. heads, **$2.00.**

PLANE (Platanus)

Plane Tree or Sycamore. (Occidentalis.) A large and lofty tree with massive branches forming a wide crown. Foliage a bright green, flowers pendulous, the latter about one inch in diameter. A rapid growing and beautiful tree with picturesque gray or white bark. Extensively used for street and park planting in cities where there is much smoke. 6 to 7 ft., **$1.25;** 8 to 10 ft. **$1.50.**

POPLAR (Populus)

Rapid-growing trees of great hardiness, extensively used for windbreaks, street trees and ornamental planting. They thrive in almost any soil, but attain their greatest proportions in moist rich loam.

Bolleana. A very compact upright grower, resembling the Lombardy Poplar, with leaves glossy green above and silvery beneath. 8 to 10 ft., **$1.50.**

Carolina Poplar. Of rapid growth. Very desirable when quick shade is wanted. 6 to 8 ft., **30c each;** per 100, **$15.00;** 8 to 10 ft., 1 to 1½ in cal., **60c;** 10 to 12 ft., 2 to 2½ in. cal., **$1.00 to $1.50 each;** 10 to 12 ft., 2½ to 3 in. cal., **$2.50 to $3.00 each.**

Lombardy Poplar. A tall columnar tree of picturesque and very formal aspect. One of the characteristic trees of Lombardy and other parts of Italy. Widely planted; a very rapid-growing and hardy tree. Leaves triangular, the borders serrate, dark green, borne on flattened petioles, moving freely in the wind. 6 to 8 ft., **30c each;** per 100, **$12.00;** 8 to 10 ft., 1 to 1½ in. cal., **40c;** 10 to 12 ft., **60c each.**

Norway. Very similar to Carolina Poplar. 6 to 8 ft., **30c;** 8 to 10 ft., **40c.**

TREE OF HEAVEN (Ailanthus)

Tree of Heaven. (Glandulosa.) A lofty rapid-growing tree from China, with long elegant feathery foliage exempt from all diseases and insects. One of the most distinct ornamental trees with pinnate foliage. Flowers in large panicles followed by dense fruit clusters which are highly colored in autumn. Thoroughly hardy and has ability to withstand the smoke and gases of the city. 4 to 5 ft **50c;** 6 to 8 ft., **75c.**

WALNUT (Juglans)

Nigra. (Black Walnut.) A native species of great size and majestic habit. Bark very dark and deeply furrowed. Foliage beautiful, each leaf being composed of from thirteen to seventeen leaflets. 6 to 7 ft., **$1.00.**

Japonica. (Japan Walnut.) Hardy, rapid grower, bears young and abundantly; worthy of extensive planting. 2 to 3 ft., **40c.**

Sieboldii. A perfectly hardy tree of rapid growth and handsome outline. Nuts produced in clusters. A fine ornamental tree. 2 to 3 ft., **40c.**

WIER'S CUT-LEAVED SILVER MAPLE

Hardy Coniferous Evergreens

Evergreens include some of the most beautiful trees in cultivation, and varieties may be selected which are adapted to almost any soil or climate. We are giving attention to the propagation and culture of perfectly hardy species and varieties which are the most useful to the general planter and the list offered below comprises those most in demand as individual specimens and for windbreaks. As individual specimens for lawn planting it is difficult to imagine anything more stately and beautiful. As screens against objectionable objects and for windbreaks and hedges nothing is to be had which will give as thick and dense foliage during the entire season.

All of our evergreens are transplanted every two years and to insure against loss in handling, each will be lifted with a ball of earth and the roots wrapped in burlap.

To be successful, transplanting should be done at a time when the trees are dormant. This permits of planting during the early spring, April or May.

We advise the planting of the larger specimens quoted, by this means you get immediate results which otherwise would take time to obtain.

Key to Illustrations.

1 **Juniperus Virginiana Glauca.**
2 **Juniperus Communis Hibernica.**
3 **Juniperus Communis Hib. Erecta.**
4 **Juniperus Virginiana.**
5 **Juniperus Communis Suececa.**
6 **Juniperus Communis Neaboriensis.**
7 **Koster's Blue Spruce. (Picea Pungens Glauca).**

ABIES (Firs)

Balsamea. (Balsam Fir.) A very erect, pyramidal tree, with dark green foliage; very hardy. 4 ft. **$4.00 each.**

Brachyphylla. (Nikko Fir.) A fine hardy fir, of open habit and rapid growth. Fine for groups or specimens on lawns, etc. 18 in. **$1.50 each.**

Douglasii (Douglas' Fir.) A fine rapid growing fir for extensive planting, windbreaks etc., or as individual specimens. A most valuable timber tree. 1½ to 2 ft. **35c each.**

Macrophylla. Leaves flat, crowded, dark green; very lustrous above, feathery white below. Very hardy. 2 ft., **$2.00.**

JUNIPERUS (Junipers and Cedars)

Canadensis. (Canadian Juniper.) Of low spreading irregular form with foliage of light green. Valuable for rockeries and slopes. 3 ft. **$3.50.**

Communis Hibernica. (Irish Juniper.) Now becoming one of best-known and most popular forms of our common Juniper; of uniform rapid growth, requiring but little trimming. 1 ft. **75c each;** 3 ft. **$2.50.**

Communis Hibernica Erecta. Similar to the preceding but of more upright growth. 1½ ft., **$1.00;** 3 ft., **$2.50.**

Communis Neaboriensis. Forms a distinct pyramidal tree 10 to 12 feet in height, of a decidedly fastigate habit. The branches are densely clothed with rich very glaucous foliage. It is one of the handsomest of the Junipers for formal work. 2 ft., **$1.75 each.**

Communis Suececa (Swedish Juniper). More hardy than the Irish Juniper although not so rapid in growth. A beautiful pyramidal form with foliage of a yellowish green. 2 ft., **$2.00 each;** 2½ it. **$2.50.**

Japonica Foliage beautiful glaucous green, regularly interspersed with branchlets of a pure white. A distinct, rare and beautiful variety. 1 ft. **$1.00.**

Pfitzeriana. One of the best Junipers. Makes rapid growth. Boughs are of a thick, rich green and inclined to droop, making it one of the most desirable as a specimen plant or excellent for rock gardens where perpetual green is desired. It attains a height of about 12 ft. 1 ft., **$1.00 each;** 2ft. **$2.25 each;** 2½ ft. **$3.00;** 3 ft. **$4.00 each;** 4 ft. **$5.00;** 5 ft. **$10.00** to **$12.00 each;** 5½ ft. Specimens, **$12.00** to **$15.00 each;** 6 ft. Specimens, **$20.00** to **$30.00 each.**

Procumbens (Trailing Juniper). Prostrate creeping habit. Fine for growing over rocks and dry banks. 1 ft., **$2.25.**

Sabina (Cedar or Savin.) A dwarf spreading evergreen with trailing branches suitable for rock work. 2 ft., **$1.50;** 3 ft. **$4.00** to **$6.00 each.**

Sabina Tamariscifolia Gracilis. A good hardy variety of a trailing and spreading nature, with rich, thick green foliage, growing to the height of about 5 ft. Owing to its wide spreading qualities it is fine as a single specimen and excels as a border for plantings of taller evergreens. 15 in. by 18 ins. **$2.50 each;** 2 ft. by 2½ ft. **$5.00 each.**

Virginiana (Red Cedar.) A rapid, erect grower, with bright rich green foliage. Very ornamental. 3½ ft., Spec., **$3.00.**

Virginiana Elegantissima. A distinct and beautiful variety of the Red Cedar, with golden bronze foliage, particularly attractive in winter when the golden bronze of the young growth is contrasted with the dark green of the older. 2 ft. **$1.25 each;** 2½ ft. **$2.50.**

Virginiana Glauca (Blue Virginia Cedar). A vigorous growing variety with foliage of silvery tinge, compact and conical in form. Makes a fine tree. 1½ ft., **$1.00 each;** 2 ft. **$1.75 each;** 3 ft. **$2.50 each;** 3½ ft. **$3.50.**

Virginiana Schottii. Best of all the green Junipers; fine pyramidal form with foliage of a peculiar bright green. 2 ft. **$175. each;** 2½ ft. **$2.25.**

LARIX (Larch)

Europaea. (Common European Larch.) A hardy deciduous conifer, of rapid growth, with fine needle-like leaves. A valuable timber tree, and fine for mixed plantations. 2½ to 3 ft. **60c each.**

PICEA (Spruce)

Excelsa (Norway Spruce). A tall and beautiful tree, most widely grown of all the spruces, equally adaptable to planting as specimens on lawns, for shelter or windbreak. 1 ft. **35c each;** 1 ft. to 1½ ft. **40c each;** 4 ft. **$1.00** to **$1.50 each;** 5 ft. **$2.00 each;** 6 ft. **$3.00.**

Excelsa Nigra (Black American Spruce). A small or medium size tree, a native of Northern America, of great hardiness and particularly useful for planting in the northern states. 2 to 3 ft. **$1.00** to **$1.50;** 3½ ft. **$2.50 each.**

Omorika (Servian Spruce.) A distinct and remarkably ornamental species of dense growth with narrow outline, having shiny leaves of dark green with white lines above. 2½ ft. **$2.25 each;** 3 ft. **$3.00 each;** 4 ft. **$3.50.**

Koster's Blue Spruce

Picea Pungens Glauca Kosteriana

Notable variety from the Rocky Mountains and the most valuable conifer for ornamental planting. A rapid vigorous grower, with stiff, close branches and brilliant, rich silvery blue foliage. Perfectly hardy under all conditions. More in demand at the present time than any other conifer. The stock we offer is the "Compacta" type, which is far more regular, compact and dense than the ordinary Koster Spruce, besides being of the deepest steel-blue. Beware of seedlings offered at low prices; these are not as blue in color nor as symmetrical and regular in shape. Well-shaped trees, especially selected from our large stock.

The variation in these prices is due to the great variation in the individual specimens as to color, shape, symmetry and general appearance.

Height	Each	Height	Each
18 in.....	**$1.50**	4½ ft.....	**$11.00 to $12.00**
2 to 2½ ft.	**$4.00 to 5.00**	5 ft.....	**12.00 to 15.00**
2½ to 3 ft.	**6.00 to 7.00**	5 to 6 ft..	**15.00 to 20.00**
3½ ft.....	**8.00**	6 to 7 ft..	**20.00 to 35.00**
4 ft.....	**9.00 to 10.00**	8 ft.....	**50.00 to 75.00**

Pungens Pendula (Weeping Blue Spruce.) A rare and charming form of this popular hardy evergreen. 5½ to 6 ft. **$12.00 to $15.00 each.**

PINUS (Pines)

Austriaca (Austrian Pine.) A stately tree of pronounced type, growing regular shaped boughs, upward inclined, with rich foliage some 4 inches long and producing cones of a shiny brown color about 3 inches in length. It makes tall rapid growth and adapts itself well in many parts. Is splendid for shelter purposes or as specimens on lawns. 3 ft., **$2.00 each;** 5 ft. **$3.50.**

Montana (Swiss Mountain Pine). An attractive vigorous growing dwarf pine of dense bright green foliage, especially adapted for rock plantings in small gardens. Ht. 18 in., diam. 18 in. **$1.50 to $2.00;** Ht. 2 ft. diam. 2 ft. **$3.50 to $4.00.**

Mughus (Dwarf Pine). A low growing handsome evergreen with vivid colored leaves of a twisty nature and cones of a brown, gravish tinge. 1½ by 2 ft. **$1.00.**

Strobus. (White Pine). A very beautiful and graceful pine regular in from with horizontal boughs and dark green foliage, growing quite tall, surmounted by a symmetrically formed crown. 1 ft. **50c.**

TAXUS (Yew)

Cuspidata (Japanese Yew). One of the hardiest, of spreading habit, foliage light green. 2 ft., **$1.50 each.**

Cuspidata Brevifolia. A form of the above with short dark, green leaves. A very handsome hardy variety; rare. 1½ ft. **$2.25 each;** 2 ft. **$4.00 each;** 2½ ft. **$5.00 each.**

Repandens (Spreading English Yew). Very suitable in front of trees or tall shrubs. Low spreading habit. 12 in. high, 18 in. diam., **$3.00 each.**

TSUGA (Hemlock)

Canadensis. (Canadian Hemlock). A tall and graceful tree with drooping spreading branches of dark glossy green foliage. Indispensable for parks or landscapes. 1½ to 2 ft., **$1.00 each;** 2 to 3 ft., **$1.50 each;** 4 ft. Specimens **$4.00.**

THUYA (Arborvitae)

Occidentalis. (American Arborvitae). A very pretty shapely tree of pyramidal form. The foliage is a fresh vivid green, mellowing to a softer shade on the under side of leaf, turning in winter to a bronze. 10 in., **25c;** 2½ ft., **75c;** 3 ft., **$1.50;** 4 ft., **$2.00;** 5 ft. Specimens, **$3.00.**

Occidentalis Globosa. A round comapct form, deep green foliage. Very shapely as Specimens. 10 in. **$1.25 each;** 18 in.; **$2.00.**

Occidentalis Rosenthalli. Hardy compact grower with dense foliage of dark green. 1½ ft. **$1.00;** 2 ft., **$1.50;** 2½ ft. **$1.75.**

Occidentalis Spiralis. Very hardy and upright compact growth. 2½ ft., **$2.75;** 3 ft., **$3.50.**

Occidentalis Warriana. The hardiest of American Arborvitae, although of somewhat slower growth; it has a most beautiful dense and symmetrical form with a rich dark green foliage. 2 to 2½ ft., **$1.25;** 2½ to 3 ft., **$1.75.**

Pyramidalis. Valuable and very hardy. Habit much like the Irish Juniper 3 ft., **$2.00.**

THUYOPSIS

Standishi. (Japanese Arborvitae). A beautiful and attractive species with short horizontal branches, and bright green foliage. This tree grows especially well in moist locations. 2 ft., **$1.25 each;** 2½ ft., **$2.00;** 3 ft., **$2.50.**

VAUGHAN'S CHOICE FRUIT TREES

The season for planting fruit trees varies with the latitude and altitude of localities, and is really regulated by the appearance and disappearance of frost. Fall planting can be commenced about the middle of October until the ground is frozen, and the spring planting can be done as soon as the frost is out of the ground, the sooner the better. Orders should be sent in beforehand so as to have a minimum of delay; one can readily understand the work we have to get through, practically a whole years' business in three or four weeks during the latter part of March and beginning of April, and it is only fair to our customers that we should execute orders so far as possible in strict rotation.

Pruning. It is very important that the root system and amount of branches balance. No matter how carefully the trees may be dug a portion of the roots are broken or cut off and the balance that exists is deranged. It is therefore necessary that the branches be pruned. Many people are not aware of this and will plant exactly as received from the nursery. A more fatal error could not be made. Prune the branches of fruit trees 5 to 7 ft. in height with 3 to 5 ft. clear stem back to within 3 or 4 buds of their base. Cut back all broken or bruised roots smoothly to sound wood.

We shall be glad to prune fruit and other trees ready for planting if requested. In that case, however, our customers cannot expect to receive trees that answer our specifications as to height, for the catalogue prices are for trees unpruned.

All specimen fruit trees will be pruned before shipping unless our customer expressly states that he does not wish this done.

A leaflet on PLANTING, MANURING and PRUNING fruit trees will be sent free to all applicants.

Spraying. Climatic and other conditions vary so greatly for different localities that we strongly advise our customers to obtain data on what, how and when to spray, and materials to use direct from their own State Experiment Station. All of them publish, for free distribution, complete bulletins on this subject and can supply the most reliable and definite information.

SUITABLE DISTANCES FOR PLANTING

	Ft. apart each way		Ft. apart each way
Apples, Standard	30 to 40	Raspberries	3 by 4
Pears and Cherries	20	Currants, Gooseberries	3 to 4
Plums	16 to 20	Blackberries	3 to 7
Peaches	16 to 18	Grapes	8 to 10
Quinces	10 to 12	Strawberries	1 by 3

Certificate of inspection, showing freedom of our stock from San Jose and other injurious insects and diseases, will be attached to all freight and express shipments.

When personal selection of stock is made by customers at our Nurseries, we always charge according to its value.

Prices for 3 and 12 of one kind, are the same as those on page 126.

Apples

Autumn Strawberry. Red stripes, very white flesh. Bears young. 4 to 5 ft. **35c**; 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c.**

Baldwin. Large roundish; deep bright red; juicy, crisp, sub-acid, good flavor; very productive of fair, handsome fruit. One of the most popular commercial varieties in northern states. Dec. to March. 4 to 5 ft., **35c**; 5 to 6 ft., **50c**; 6 to 7 ft., **65c.**

Banana. Large clear yellow, fine quality. 4 to 5 ft., **35c**; 5 to 6 ft., **50c**; 6 to 7 ft., **65c.**

Ben Davis. Large, handsome, striped, productive; a late keeper. Tree remarkably healthy and vigorous. A profitable, market sort. Dec. to March. 4 to 5 ft., **35c**; 6 to 7 ft., **65c.**

Bismarck. Tree short, stocky grower, with thick, healthy foliage; hardy and productive, fruit large, handsome yellow, shaded and covered with red; tender sub-acid, quality the best, good for both dessert and cooking. Early and an excellent keeper. 6 to 7 ft., bush form, **75c.**

Black Ben Davis. Stronger, hardier, and a better drought resister than Ben Davis; fruit large, solid, deep dark red. A very heavy cropper, and splendid shipper. 4 to 5 ft., **35c**; 5 to 6 ft., **50c.**

Delicious. A remarkable variety introduced in the West several years ago where it is being largely planted and rapidly taking first rank. Fruit large, nearly covered with brilliant dark red, flesh fine grained, crisp, melting; very highest quality. Splendid keeper and shipper. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c.**

Duchess of Oldenburg. Tree a strong grower, young and abundant bearer. Fruit large, yellow streaked red, rich sub-acid flavor, juicy and good. Valuable in all sections for both market and home use. Early Sept. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**: 7 to 8 ft., **75c.**

Early Harvest. Medium to large; pale yellow; tender with a mild, fine flavor. An erect grower and a good bearer; excellent for orchard and garden; one of the first to ripen. Middle to end of August. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c.**

Gano. Large, roundish, dark brilliant red; flesh yellow, fine-grained, tender, pleasant, mild, sub-acid. A good shipper and late keeper. Tree a vigorous grower and very productive. Superior to Ben Davis, which it resembles. Feb. to March. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c.**

Grimes' Golden. Greatly prized as a hardy variety, producing annual crops. Medium, roundish oblate; rich golden yellow, with small dots; flesh yellow, juicy, tender, crisp, rich, sprightly sub-acid, with a fine aroma. Dec. to Feb. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c.**

Jonathan. Medium, pale yellow, nearly covered with brilliant stripes of lively red; flesh white, juicy, spicy, suh-acid, fine grained, rich. Tree a slender grower, very productive. An excellent fruit; favorite market variety. Nov. to April. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c.**

Maiden's Blush. Rather large, smooth, with a fine evenly shaded red cheek or blush, on a clear, pale yellow ground; flesh white, tender, sprightly with a pleasant, sub-acid flavor; hears large crops. Valuable market sort. Sept. and Oct. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c.**

McIntosh Red. Large; skin yellow, nearly covered with bright red; flesh white tender and juicy. Tree very hardy. Nov. to Feb. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c.**

Newton Pippin. Green Newton Pippin. Medium, roundish; dull green, with a blush on the sunny side; flesh greenish white, juicy, crisp with a fine aroma and delicious flavor. Slow grower; requires high cultivation. Dec. to May. 4 to 5 ft., **35c**; 5 to 6 ft., **50c.**

Northern Spy. Large, somewhat ribbed. Flesh white and tender, with a mild sub-acid, rich and delicious flavor. The tree should be kept open by pruning, so as to admit the air and light freely. Jan. to June. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c.**

Northwestern Greening. Yellow, smooth, rich, of good size, resembling Grimes' Golden in shape and color; good quality and an extra long keeper. Tree hardy, vigorous, abundant annual bearer. Does well in this vicinity Jan. to June. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft.,**75c.**

Red Astrachan. Large, beautiful deep crimson, overspread with a thick bloom; juicy, rich, acid, productive. One of the best summer apples. August. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c.**

Rome Beauty. Large; yellow and bright red; handsome; medium quality, good bearer. Dec. to March. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c.**

Salome. Tree a strong grower; holds its fruit firmly; early and annual bearer; fruit of medium and uniform size; quality very good, which it retains even into summer. May and June. 4 to 5 ft., **35c**; 5 to 6 ft., **50c**; 6 to 7 ft., **65c.**

Snow (Fameuse.) Medium size, roundish, handsome, deep crimson; flesh snowy white, tender, juicy, highly flavored and delicious. Productive and hardy. Nov. to Feb. 4 to 5 ft., **35c**; 5 to 6 ft., **50c**; 6 to 7 ft., **65c.**

Apples—Continued

Spitzenburg. Large, oblong and tapering; skin smooth, bright red, with numerous russet dots; flesh yellow, crisp, juicy, with a brisk, rich flavor. A moderate bearer. Dec. to Feh. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c.**

Tolman's Sweet. Medium, pale yellow, slightly tinged with red; firm, rich and very sweet; the most valuable baking apple; productive. Nov. to April 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c.**

Wagener. Medium to large, roundish ohlate; yellow, shaded and marked with red, often full deep red; flesh yellowish, tender, aromatic, mild sub-acid. Nov. to Feb., 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c.**

Walbridge. Medium, handsome, striped red; flesh crisp, tender, juicy. Tree vigorous grower. Especially desirable in cold sections for its hardiness and productiveness. March to June. 5 to 6 ft.,**50c**; 6 to 7 ft., **65c.**

Wealthy. Healthy, hardy and very productive. Medium, yellow, shaded with deep red in the sun, splashed and spotted in the shade. Flesh white, fine, tender, juicy, lively sub-acid; very good. One of the most desirable late fall and early winter varieties. Oct. to Jan. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft. **75c.**

Wine-Sap. Large, deep red, a good keeper; quality medium, a moderate grower and good bearer. Succeeds well in the west Dec. to May. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c.** 10 ft. Specimens, **$2.00.**

Wolf River. A handsome apple, originating at Fremont, Wisconsin. Fruit large, greenish yellow, shaded with red or crimson; flesh white, half tender, juicy, pleasant, mild suh-acid, with a peculiarly spicy flavor. Jan. and Feb. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c.**

Yellow Transparent. One of the most desirable early apples in cultivation. Early bearer, frequently producing fine fruit on 2-year trees in nursery rows. Good grower and hardy, fruit pale yellow, good size and good quality; skin clear white at first, becoming a beautiful pale yellow when fully matured. Ripens before Early Harvest. July and Aug. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c.**

Crab Apples

The Crab Apple has many points of excellence. It makes a fine ornamental tree, perfectly hardy, and will grow in any kind of soil. It bears very early and every year. The fruit is unequaled for jelly and for vinegar, and is useful when dried, canned or preserved.

Early Strawberry. Greenish yellow, carmine stripes, good quality. 5 to 6 ft. **50c**; 6 to 7 ft., **65c.**

Florence. Pinkish red, faintly striped with a darked red; wherever shaded it shows a deep yellow. The flesh is yellow, crisp, tender, juicy, brisk, sub-acid. The most profitable grower. 4 to 5 ft., **35c**; 5 to 6 ft., **50c**; 6 to 7 ft., **65c.**

Hyslop. The fruit is covered with brilliant carmine to dark purplish red, overspread with a thick blue bloom. It is roundish, uniform shape; large size for a crab. Flesh yellow, very firm, juicy, suh-acid. Fruit is horne in clusters. Very good for jellies and other cooking purposes. 4 to 5 ft., **35c**; 5 to 6 ft., **50c**; 6 to 7 ft., **65c.**

Siberian. Large, golden yellow; very popular. Sept. 5 to 6 ft., **50c.**

Sweet Orange. A seedling of the old Orange Crab, and resembles it somewhat, though more flat in shape and a lighter color. It is one of the most delicious fruits to eat out of the hand. Septemher. 5 to 6 ft., **50c.**

Transcendant. An old variety, well known for its bright red color, good size, and juicy, crisp yellow, sub-acid flesh; roundish oblong shape. Very good for culinary uses. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 10 to 12 ft., Specimens, **$2.00.**

Whitney. One of the largest, glossy green splashed carmine. Firm, juicy, pleasant, great bearer. August. 5 to 6 ft., **50c**; 6 to 7 ft., **65c**; 7 to 8 ft., **75c.**

Cherries

Dyehouse. Largely planted for early market, ripening a week before Early Richmond. Early annual bearer, productive, fine size, good quality. Acid. June. 4 to 5 ft., **50c**; 5 to 6 ft., **60c.**

Early Richmond. Medium size, dark red; melting, juicy, sprightly acid flavor. This is one of the most valuable and popular of the acid cherries, is unsurpassed for cooking purposes and exceedingly productive. June. 4 to 5 ft., **50c**; 5 to 6 ft., **60c.**

Montmorency. A popular market variety; good for all purposes. Vigorous grower, very productive. Fruit large, light red: ten days later than Early Richmond. Late June. 4 to 5 ft., **50c**; 5 to 6 ft., **60c.**

Windsor. Fruit large, liver-colored; flesh remarkably firm, sweet and of fine quality. Tree hardy and very prolific. Very valuable late sort. July. 4 to 5 ft., **50c**; 5 to 6 ft., **60c.**

Wragg. Claimed to be much hardier than English Morello, which it closely resembles. July. 4 to 5 ft., **50c**; 5 to 6 ft., **60c.**

Peaches

Prices, except where noted, 4 to 5 ft , **35c;** Selected Trees, **50c.**

Champion. Middle of August. Fruit large, beautiful; skin creamy white, with red cheek; sweet.

Crawford's Early. Large yellow, of excellent quality. Vigorous and prolific.

Crawford's Late. Very large and productive, yellow; ripens about the close of the peach season.

Crosby. One of the hardiest; abundant bearer, bright yellow. September.

Elberta. Large, yellow; one of the leading market varieties. September.

Early Elberta. Larger, earlier and more highly colored than the preceding. Color, golden yellow, blending to a glorious red on the sunny side. 4 to 5 ft., **50c.**

Red Bird Cling. Large, early and excellent quality. Best of the early shipping peaches. 4 to 5 ft., **50c.**

Wonderful. Freestone peach; rich, golden yellow, overspread with rich carmine.

Plums

Abundance. This is the plum for you, if you try but one. Lemon yellow ground, nearly overspread with cherry; flesh yellow. August. 4 to 5 ft., **50c.**

Burbank. The best and most profitable among growers for market. Tree hardy, sprawling, vigorous grower, unequaled in productiveness; fruit large, excellent quality, cherry red with lilac bloom. August. 4 to 5 t., **50c.**

Compass. (New). A cross between the Sand Cherry and Miner Plum. Very prolific, the fruit being large, bright red, sweet and juicy. On account of its hardiness, very desirable for Northern Sections, 4 to 5 ft., **75c.**

De Soto. Very hardy, bright red. September. 4 to 5 ft., **50c.**

German Prune. Very large, dark blue, deep bloom. Excellent for dessert and preserving. 4 to 5 ft., **60c.**

Shipper's Pride. A large handsome fruit measuring nearly 2 inches in diameter. Dark purple, juicy and sweet. 4 to 5 ft., **60c.**

Shropshire Damson A medium sized, dark purple variety; esteemed for preserving. Very productive. October. 4 to 5 ft., **50c.**

Stoddard. One of the largest of our native plums. Color is a light pinkish red, very handsome, with a tough, sweet skin. 5 to 6 ft., **50c.**

Wolf. Very popular, large, immensely productive. August. 4 to 5 ft., **50c.**

Pears

The soil best adapted for Pear culture is of rich and heavy quality. The fruit of summer and autumn varieties should be picked as soon as it has attained full size, when, if ripened in dark, dry closets, it is not subject to rotting at the core, and develops its best flavor. Pick winter sorts as soon as the weather indicates the liability of hard frost. Spraying is desirable at the blooming season, but leaf-blight can be treated only by cutting away the diseased limbs entirely Thinning increases size and quality of the remaining crop.

Bartlett. The most popular summer pear; large fruit of musky melting flavor The tree is a vigorous grower, an early and abundant bearer August and September. 4 to 5 1t.. **60c;** 5 to 6 ft , **75c.**

Clapp's Favorite. Resembles the Bartlett, ripening a few days earlier hardy and vigorous either on the pear or quince. Care should be taken to pick the fruit at least ten days before it would ripen on the tree. 4 to 5 ft , **60c;** 5 to 6 ft., **75c.**

Duchess. Grafted on Quince, on which it does best. A fall pear, large fruit, rich and juicy. A popular market variety. 4 to 5 ft., **60c;** 5 to 6 ft., **75c.**

Early Harvest. Early. Good size. 4 to 5 ft., **60c;** 5 to 6 ft., **75c.**

Flemish Beauty. Large, juicy, rich, one of the hardiest. September and October. 4 to 5 ft., **60c;** 5 to 6 ft., **75c.**

Kieffer. Good for preserving and canning; extra large; good bearer. October 5 to 6 ft., **75c;** 6 to 7 ft., **85c;** 7 to 8 ft., **$1.00;** 10 to 12 ft. Specimens, **$1.50** to **$2.00.**

Koonce. Thoroughly tested for several years. Has produced good crops when all other varieties were killed by frost. Fruit medium to large, yellow with carmine cheek; quality good; ripens in time for the earliest market. July and August. 5 to 6 ft., **75c;** 6 to 7 ft., **85c.**

Seckel. Small, yellowish brown, red cheek; best to eat out of hand, or pickle September and October. 4 to 5 ft., **60c;** 5 to 6 ft., **75c.**

Quince

Meech. A vigorous grower and immensely productive. This fruit is large, lively orange yellow, of great beauty and delightful fragrance. Its cooking qualities are unsurpassed. 3 to 4 ft., **50c;** 4 to 5 ft., **75c.**

Orange. Large, bright yellow fruit of excellent flavor. 3 to 4 ft., **50c.**

SMALL FRUITS

CONCORD

Select Grapes

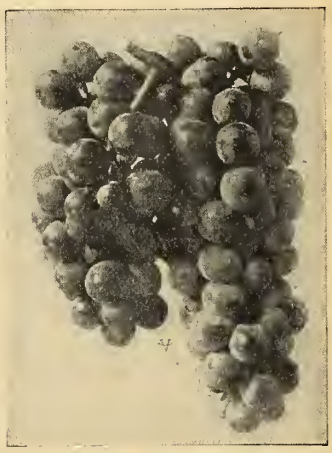
(Except where noted) 2-year, **each 20c; 3 for 55c, doz. $2.00;** 3 year, extra heavy **each 30c, 3 for 80c, doz. $3.00. If by mail,** add 3c for 2-year, 5c for 3-year vines.

There is scarcely a yard so small either in country or city that room for a few grapevines cannot be made. They do well trained to the side of any building or along the garden fences, occupying but little room and furnishing an abundance of the healthiest of fruit. Make the soil mellow and plant from 6 to 8 ft. apart.

AGAWAM. (Red or Maroon.) Bunch usually loose, shouldered; berries large; skin thick, flesh pulpy, meaty, juicy, of a rich aromatic flavor; ripens about with Concord; a good keeper. Vine a strong, rank grower, hardy and productive; should be pruned leaving long canes.

BRIGHTON. (Dark Red.) Bunches large; berries medium size, skin thin, flesh tender, quality the best. Must be grown with other sorts, as it does not pollenize itself. One of the best early red grapes.

CAMPBELL'S EARLY, King of American Grapes. (Black.) A grape in all respects better adapted to general use in all sections than any other which has yet been grown and tested. Large, nearly round, often an inch or more in diameter; black, with light purple bloom; skin thick; flavor rich and sweet. Price, 2-year-old vines, **each 30c, 3 for 80c, doz. $3.00 (exp.);** 3-year-old, **each 40c, 3 for $1.10, doz. $4.00. (exp).**



CAMPBELL'S EARLY

CATAWBA. (Red.) Bunches large and loose; berries large, of coppery red color, becoming purplish when well ripened.

CONCORD. One of the most popular and reliable varieties grown; bunches large and compact, berries large round, almost black. Juicy and very sweet.

DELAWARE. (Red.) Bunches small, compact, shouldered; berries small, round; skin thin; flesh very juicy and very sweet. Early and abundant bearer.

DIAMOND. The leading early white grape. Bunch medium, berry large, white with rich yellow tinge; juicy, almost free from pulp.

NIAGARA. (White.) Vine hardy; unusually strong grower; bunches large and compact, mostly round; fruit semi-transparent, slightly ambered, sweet to center.

MOORE'S EARLY. (Black.) Bunch medium; berry large, round, with a heavy blue bloom; vine hardy and moderately prolific. Its large size and earliness render it desirable for an early crop.

WORDEN. (Black) Handsome, large, compact bunch; berries very large, skin thin; ripens five to ten days earlier than Concord.

SPECIAL OFFER No. 137 The set of 10 grapes, 2 years, for **$1.70, (exp.)**

SPECIAL OFFER No. 137A The set of 10 grapes, 3-year, **$2.20, (exp,)** includes the excellent Campbell grape.

Blackberries

Each, 10c; per doz., 75c; per 100, $3.00. By mail, 5c each, extra.

ANCIENT BRITON. Large berries of excellent quality, very prolific. Vigorous, healthy, and one of the hardiest of all.

ELDORADO. The vines are very vigorous and hardy, enduring the winters of the far northwest without injury, and their yield is enormous. Berries large, jet black. Large clusters.

HIMALAYA GIANT. New. Vigorous grower; canes sometimes reaching 30 to 40 feet; must be trained on a trellis. Fruit large, black, has yielded as much as 400 crates per acre. **Each 10c; doz. $1.00; 100 $8.00.**

SNYDER. Extremely hardy, enormously productive, medium size; no hard, sour core; sweet and juicy; ripens early.

STONE'S HARDY. Best variety for the north; fruit rich and melting. Fine flavor; very productive.

Special Offer No. 137B.—12 each of the above varieties for $1.25, (exp).

Currants

Plant in rich ground about 4 ft. apart, cultivate well, prune out old wood so that each remaining shoot will have room to grow. If the currant worm appears dust with Hellebore.

(Except where noted) 2-year, **each 15c, 3 for 40c, doz. $1.50;** 3-year, **each 25c, 3 for 65c, doz. $2.50.**

If to go by mail, add 3c each for 2-year and 5c each for 3-year plants. The larger plants **should be expressed.**

BOSKOOP GIANT. (Black.) This famous new currant of strong growth and free bearing quality, is in great demand, being especially adapted for preserving. 2-year, **each 20c, 3 for 55c, doz. $2.00;** 3-year **each 30c, 3 for 80c, doz. $3.00.**

CHERRY. A prolific red currant of excellent quality. Where well cultivated the fruit reach ½ inch in diameter. 2-year, **each 20c, 3 for 55c; doz. $2.00;** 3-year, **each 30c, 3 for 80c; doz. $3.00.**

FAY'S PROLIFIC. (Red) The leading market variety. Extra large berries of uniform size, exceedingly productive. Perhaps no other currant has received so much praise, the demand most seasons being in excess of the supply.

LEE'S PROLIFIC. (Black.) The fruit varies from small to very large. The bush is rather short and dwarf. One of the best for general use.

NORTH STAR. (Red.) It is bright in color and is the **sweetest and best flavored currant known.** It is an early and prolific bearer.

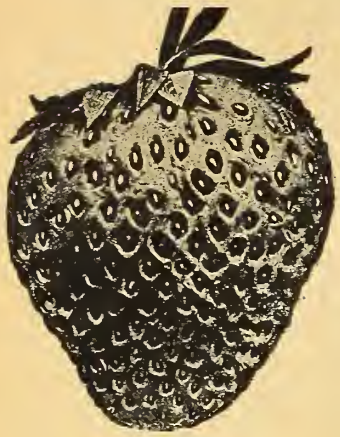
PERFECTION, New. (Red.) Very large. A cross of the famous Fay's Prolific and the White Grape; originated by Mr. Chas. C. Hooker. A very productive variety with berries about as large as grapes, making it a valuable market sort. It is mild in flavor and free from sharpness. 2-year, **each 35c, 3 for 90c, doz. $3.50.**

RED DUTCH. The old well known red currant. A strong, tall, upright grower. Berries medium size, dark red.

WHITE GRAPE. Very large; yellowish white and most productive of the white varieties; mild sweet flavor. A good table variety.

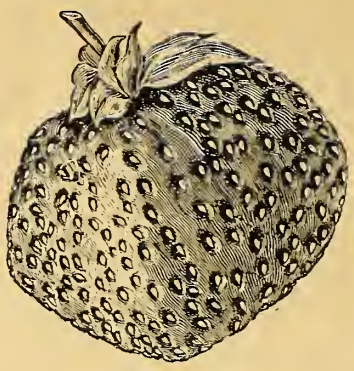
Special. **We can supply strong 4 year old plants of Fay's Prolific and Red Dutch. Each, 35c; 3 for $1.00; dozen, $3.60 (by express).**

Special Offer 137C. One each of the 8 currants, 2 yr. plants for $1.25, (exp).



AUGUST LUTHER

GANDY



MARSHALL

SENATOR DUNLAP

SMALL FRUITS—Continued

Gooseberries

Good soil, thorough pruning, top dressing with manure are the essentials for a crop of gooseberries. They do best in a partly shaded place. For worms and mildew use Pyrox (Arsenate of Lead and Hellebore). Mixes easily in cold water.

Price, 2-year, **each 25c, 3 for 65c, doz. $2.50;** 3-year, **each 35c, 3 for 85c, doz. $3.50.**

If to go by mail, add 5c each for 2-year, and 6c each for 3-year plants for postage. The larger plants **should be expressed.**

DOWNING. Large handsome pale green and of splendid quality for both cooking and table use. Is called "The Great American Gooseberry."

HOUGHTON. Color pale red; tender and good. Medium sized berries under ordinary care, but if thinned thoroughly in fall or spring, fruit will be greatly improved. A heavy yielder.

INDUSTRY. Dark red color when fully ripe; berries of largest size; excellent flavor. It is one of the heaviest croppers. Strong upright grower, less subject to mildew than most of the foreign varieties. 2-year, **each 35c;** 3 for **$1.00;** 3-year, **each 50c.**

RED JACKET. It is one of the best red gooseberries in existence. The berries are large, smooth, bright red and of excellent quality. Has good foliage; mildew proof. A good yielder.

TRANSPARENT. Large yellowish green fruit. Very juicy, and excellent flavor. We offer 2-year old bushes only.

Raspberries

Price, except where noted, each 10c; 3 for 25c; doz. 75c; per 100 $3.00.
If to go by mail, add 10c per doz. for postage.

THE HERBERT RASPBERRY. Red. A very strong grower, hardy and very productive. Fruit large to very large; conical, bright to rather deep red; moderately firm; sweet and sub-acid, juicy and of good flavor. The best Red Raspberry today. Per doz. **$1.00;** 25 for **$1.75;** per 100, **$8.00.**

COLOSSAL. (Red.) Truly colossal, plant and fruit, and iron-clad in hardiness; a sprightly, sub-acid flavor.

COLUMBIAN. (Red.) Valuable and profitable. The fruit is cone-shaped, almost purplish color. Fruiting season extends from July 10th to August 15th.

GREGG. (Black.) Large, heavy bearer.

LOUDON. (Red.) The largest Red Raspberry we have ever seen. When boxed for market it outclasses everything in the Red Raspberry line and sells quicker and for more money. It is almost everbearing.

KANSAS. (Black.) The best of all the Black Caps, berries large or larger than the Gregg; jet black, firm, handsome and of the best quality; exceedingly productive.

OLDER. (Black.) Of strong growth, producing canes very much branched, giving more fruiting surface than any other Black Cap. The fruit is of a shiny coal black without bloom; rich, juicy.

NEW EVER-BEARING RASPBERRY

ST. REGIS. Gives raspberries for four months the first year planted. The berries are large and of very fine quality, rich and sugary, and keep longer after picking than any other red raspberry. They are of a bright crimson color, and firm, meaty substance. It is the earliest of all red raspberries, commencing to ripen in June, and bears a tremendous crop on the first canes, while the young canes continue to bear fruit in increasing numbers until frost sets in. **Awarded the highest certificate of merit by the American Institute of New York.**
Price, each, 10c; doz., 75c; 100, $5.00.

Strawberries

Varieties marked (*) have imperfect flowers; they will not produce well unless every fourth or fifth row or plant is a perfect flowering variety, as all are not so marked. Thus planted the (*) sorts are the most productive.

AUGUST LUTHER. **(Early.)** This is an extra early berry of value, medium size, bright in color, the shape tapering from an extreme fullness at the calyx. Will ripen ten days earlier than the Haverland, which it resembles in fruit and foliage. It can be successfully grown for marketing purposes or for family use. and it is a good shipper.

BUBACH (Mid Season). Large size and handsome color are its valuable characteristics. Berries thick, meaty, fine-grained. Thrives in any soil. Stout crowned plants and short stems.

BRANDYWINE. **(Late.)** A berry that has truly earned the popularity it enjoys. Large, deep red fruit, and a fancy market product, thrives on almost any soil. Ripens with the medium late class. Flesh firm and red all the way through. Productiveness above the average, ships well and is one that can be depended upon to give general satisfaction to growers. Has a delicious flavor, foliage dark green, roots deep, enabling it to endure more dry weather than most varieties.

Strawberries—Continued

CLYDE. **(Early.)** The most productive variety yet introduced. Immense size. The berries are large, bright scarlet color with pink flesh of mild and pleasant flavor. A fine berry for home market.

GANDY. **(Late.)** This is one of the most reliable large late berries grown. It is one of the old standard varieties that you can depend upon. The fruit ripens very late, is large, dark red in color and produced in moderate amount.

MARSHALL. A well known variety of excellent quality. One of the richest flavored strawberries on the market. It is a strictly fancy berry, but not quite so productive as some other varieties.

PRIDE OF MICHIGAN. **(Mid-season.)** Fruit medium to large, of a dark glossy red color, firm and of good quality; a good producer. Good plant maker and stands drouth better than most kinds.

SENATOR DUNLAP. **(Mid-season.)** One of the best and most popular. It succeeds everywhere and with everybody, with the new beginner as well as with the veteran grower, but should not be allowed to matt too thickly. The fruit is dark red with a glossy finish shading to a deep scarlet on the underside. The meat is bright red all through and is exceedingly juicy. For a medium sized, productive, early to mid-season berry, you need not hesitate to plant.

SAMPLE. (*) **(Late.)** Good bearer, with large roundish berries of firm flesh, bright red color. The Sample is not only one of the most beautiful late berries but one of the largest and most prolific.

UNCLE JIM. **(Mid-season.)** There is no larger berry grown. It is a dark crimson and showy. It is very prolific and long season. Produces large, heavy, light colored plants which are models of growth.

WARFIELD. **(Mid-season.)** It has a large, beautiful, cone-shaped berry. with a fadeless dark red exterior, and the dark red color is retained to the center of this exceptionally juicy fruit, which is just tart enough to be deliciously palatable. It is a popular berry for canning.

WM. BELT. **(Mid-season.)** A most luxuriant grower and remarkably productive. Very large conical shaped brilliant glossy red berries of the very best flavor.

Price, except where noted, per doz. 35c; 100 $1.25, postpaid; per 1,000 $8.00 by express. For Spring delivery only.

SPECIAL OFFER No. 138 A Strawberry collection, 100 fine strong healthy plants (Spring delivery only), in four good sorts, our choice, **prepaid, $1.25.**

Pot-Grown Strawberries for Fall Planting Ready August 1st.

Selections from above list, doz. 50c; per 100, $3.50.
Not less than 25 at 100 rate.

Fall-Bearing Strawberries

Fall-bearing Strawberries seem to be no longer an experiment, they are becoming essential all over the country, and are making good every place they have been tested. If these varieties are disbudded, until say August 15th to September 1st, and allowed to fruit, they will give large quantities of ripe berries until checked by hard freezing. The two varieties we offer we consider the best.

Price, doz. 75c; 25 for $1.40; 50 for $2.25; 100 for $4.00, postpaid.

POT-GROWN (ready August 1st.) **Doz. $1.75; 50 for $3.25; 100, $6.00.**

AMERICUS. This is the most wonderful everbearing Strawberry ever produced. It outrivals its parents both in large size and wonderful productiveness. Plants are strong, healthy and deep rooters. The fruit is medium to large in size, very firm, uniform shape, bright red, and has the native strawberry flavor.

PROGRESSIVE. This is the strongest growing plant of all the fall-bearing varieties we have seen. The plants are very large and heavily rooted, producing a phenomenal crop of medium to large fruits, of a dark red color both inside and out. The young plants are produced in good quantities.

SPECIAL OFFER 138 A. One dozen each of the two Fall-bearing Strawberries for **$1.40, postpaid.** (For Spring Planting).

SPECIAL OFFER 138 B. 25 each of the two Fall-bearing Strawberries for **$2.25, postpaid.** (For Spring Planting).

PLANTS BY MAIL

When ordering plants to be sent by mail, not offered at prepaid prices, please refer to postage rates on plants, page 85.

Vaughan's High Grade Recleaned Fancy Grass Seeds

We handle only the very best and purest grass seeds the market and season afford. Our prices are based on supplying this quality. We shall be pleased to furnish samples and our own purity and germanation tests.

The fancy European grasses, like the Bents, Fescues, Sweet Vernals, etc., having their origin or the most part in Germany, are practically out of the market this year. We have had a representative in Europe since last June and we have succeeded in purchasing a few choice lots of such grasses. The total amount is small however and will not begin to supply our regular trade. These grasses, at the time our catalog goes to press, (January 1st), have not yet been shipped and we quote subject to arrival of the goods.

Prices on grass seed fluctuate like those of grain, changing daily, therefore, although we shall do our best to maintain the prices below, **these figures are at all times subject to market changes.** Should these seem high, write for the latest quotations. Our locations (Chicago, the grass seed center of the United States) and New York (the largest importing center) put us in a position to quote the very lowest prices on the qualities we supply. Samples free.

Prices do not include postage. If desired by mail, add postage according to zone rates. **Grain bags 25c each** extra for bushel lots or more. Unless otherwise noted, prices on this and the next two pages apply to shipments either from Chicago or New York.

FANCY KENTUCKY BLUE GRASS (Poa Pratensis)

KENTUCKY BLUE GRASS

The best of all grasses for the lawn and pasture. An ideal grass for limestone soils. It is much appreciated by animal breeders. It requires some time to establish itself. For a couple of years should only be lightly grazed. Time of sowing depends upon the locality. These are the principal times of sowing: in the Fall, in the early Spring, and again in June. Sow three bushels (fourteen pounds to the bushel) per acre.

The two grades mentioned below represent the highest grades of this seed which perfected cleaning machinery can produce. The result is purity and high germination.. These are worth double the price of ordinary seed. Kentucky Blue Grass Seed offered at low prices is made up either of light screenings or is mixed with Canadian seed, a much inferior article.

Extra fancy sun dried seed:—twice recleaned. Very high germination. Actual weight, twenty-eight pounds per bushel. Sold at legal weight, fourteen pounds.
1 lb., 25c; 10 lbs., $1.75; 100 lbs., $16.

Fancy seed:—Actual weight, twenty-one pounds per bushel. Sold at legal weight, fourteen pounds. **1 lb., 20c; 1 bu. (14 lbs.), $2.00; 100 lbs., $12.00.**

AGROSTIS CANINA (Rhode Island Bent Grass)

A valuable lawn grass. Resembles Red Top somewhat, but has shorter and narrower leaves. Much used in the East, especially in the New England States. Makes a very fine colored, close turf and readily adapts itself to almost any soil, wherein again it is similar to Red Top. Of considerable value for permanent meadows and pastures. For lawn sow in spring 3 to 4 bu. per acre. This seed is imported, and on account of business conditions in Europe this season, is scarce. 14 lbs. to the bushel. **1 lb., 60c; 10 lbs., $5.00; 100 lbs., $45.00.**

AGROSTIS STOLONIFERA (Creeping Bent Grass)

The ideal grass for golf-putting greens. Very distinct, with long prostrate or creeping stems. Its creeping root and spreading habit form a lasting turf that withstands hard usage better than other sorts. The leaves are fine and dense growing, making it valuable for low bottom lands and especially for slightly sandy soil. Good for both hay and pasture. Our sample is specially cleaned and heavy. Seed scarce. Sow in Spring 50 lbs. to the acre, 14 lbs. to the bushel. **Price, 1 lb., 60c; 10 lbs., $5.00; 100 lbs., $45.00.**

ALOPECURUS PRATENSIS (Meadow Fox Tail)

The most valuable grass for moist meadows and pastures, particularly the latter. Should enter into all mixtures for permanent pastures. Is never sown alone, as it does not reach maturity for two or three years. 7 lbs. to the bushel. Sow in Spring, 2 to 3 lbs. per acre, with other grasses.
Price, 1 lb., 50c; 10 lbs., $4.65; 100 lbs., $42.00.

ANTHOXANTHUM ODORATUM PUELLI (Sweet Vernal Grass)

Sow ½ lb. to lb. per acre with other grasses in the Spring. 10 lbs. to the bushel. **Write for prices.**

ANTHOXANTHUM ODORATUM (True Sweet Vernal). A perennial. **Very short—write for prices.**

AVENA ELATIOR (Tall Meadow Oat Grass)

An excellent meadow grass both for Winter grazing and for hay for the Southern States and dry climates. Should not be sown alone, as it does not form a compact turf. Sow in Spring or Fall, 3 bu. per acre. 13 lbs. to the bushel. **Price, 1 lb., 30c; 10 lbs., $2.65; 100 lbs., $22.50.**

POA COMPRESSA (Canadian Blue Grass)

A hardy grass with dense creeping root stalks. Adapted to all soils. Recommended for the Eastern and Middle States for pasture and dairy use. Sow 3 bushels of seed to the acre in the Spring. 14 lbs. to the bushel.
Price, 1 lb., 15c; 10 lbs., $1.25; 100 lbs., $9.00.

ENGLISH BLUE GRASS (Festuca Pratense, or Meadow Fescue)

A native of Europe, it has become thoroughly naturalized here. The grass is a very permanent one and is especially valuable for permanent pastures where the soils are not too dry. In the Western Central States it has done especially well. Should be sown with other grasses, as it does not come to full bearing for two or three years. Our seed is choice American grown. Sow in the Spring 1½ bushels to the acre. Bu., 20 lbs, **1 lb., 20c; 10 lbs., $1.65; 100 lbs., $13.00.**

RED TOP GRASS (Agrostis Vulgaris)

RED TOP

Recognized by leading farmers as one of the most valuable meadow and pasture grasses. Especially adapted to moist soils. It will take root where some of the other fine grasses would fail. The nutritive value of the hay is not equal to Timothy, but as a combination for hay and then pasture it is unequalled.

Sow in the Spring or Fall alone, or with a nurse crop. One bushel of chaff or unhulled Red Top or one half bushel of fancy seed is sufficient to sow an acre.

For lawn mixtures along with other grasses it is in great demand, the fine grasses forming a dense close sward.

Fancy:—Solid seed, bushel, 32 pounds. **1 lb., 25c; 10 lbs., $2.25; 100 lbs. $18.00.**

Common:—Bushel, fourteen pounds. **1 lb., 15c; 10 lbs., $1.25; 100 lbs., $10.00.**

The Polo Field of the Rockaway Hunting Club at Cedar Hurst, L. I., is conceded by experts to be the finest in America. It has been top dressed with Vaughan's Polo Mixture for many years.
A. S. HUNTER, Supt.

BERMUDA GRASS (Cynodon Dactylon)

One of the best southern grasses for lawns and pastures. Resists drought and heat. Grows on sand. Will not grow in the shade. Hard to kill. Don't plant except where wanted permanently. Sow in Spring, 15 lbs. per acre. 36 lbs. to bushel. Southern customers should try this. **Price, 1 lb., 60c; 10 lbs., $4.00.**

BROMUS INERMIS (Awnless Brome Grass)

Very successful on acid soils in great Northwest. Very strong, thick growth, making two splendid crops. Cut just blooming is almost equal to Timothy hay. Difficult to eradicate. Sow in permanent place. Useful along banks of streams to prevent washing. Good pasture. Extra cleaned seed. Sow in Spring, 2 bushels per acre. 14 lbs. to bushel. **Price, 1 lb., 20c; 10 lbs., $1.75; 100 lbs., $14.00.**

CYNOSURUS CRISTATUS (Crested Dogstail)

A valuable grass which is usually included in all Lawn Grass Mixtures. It thrives in all kinds of soil but is generally seen to the best advantage when sown on rich moist soils. In England it is in great demand for Putting Greens, as it forms a smooth, close, fine sward, so necessary for the skilled golfer. It has been tested in combination with Kentucky Blue Grass with excellent results. As a shade grass it does fairly well. We recommend a small proportion of this grass should be included in all good shade lawn grass mixtures. For lawn purposes it should be sown in the Spring with other grasses, about 5 lbs. to the acre. 21 lbs. to the bushel. **Price, 1 lb., 35c; 10 lbs., $3.25; 100 lbs., $30.00.**

ORCHARD GRASS (Dactylis Glomerata)

A very hardy grass, invaluable for pasture mistures. Ready to cut for hay before Timothy. Wet soils do not suit it. Not recommended for lawn mixtures as it grows in tufts and leaves bare spots. Sow in Spring, 20 to 25 lbs. of seed per acre. 14 lbs. per bushel. **1 lb., 25c; 10 lbs., $2.25; 100 lbs., $18.00.**

FESTUCA OVINA (Sheep's Fescue)

A good grass for up-land pastures and for sandy and poor soils. Is very hardy and resists extremes of weather. It grows in tufts, but its fine foliage and dense growth permit its use for lawn purposes. Sow in Spring 35 lbs. to the acre; 12 lbs. to the bushel. **Seed very short—write for prices.**

FESTUCA DURIUSCULA (Hard Fescue)

This grass does well in sandy pastures. Is a slender, and very tufted perennial, a dwarf form of Sheep's Fescue. A good grass for resisting drought. Of fair value as a lawn grass, and must be sown very thickly on account of its forming tufts. Sow in Spring 30 lbs. to the acre; 12 pounds to the bushel.
Seed very short—write for prices.

FESTUCA HETEROPHYLLA (Various Leaved Fescue)

A perennial grass, native of Europe. Of some value agriculturally as a bottom grass in pastures. Good for both hay and pasture. For lawn purposes is quite desirable, especially for shaded places, its fine soft leaves and its creeping roots making a very good turf. Sow in Spring 40 lbs. to the acre. Bu., 15 lbs. **Price, 1 lb., 40c; 10 lbs., $3.65; 100 lbs., $32.00.**

To Golf Clubs desiring large quantities of seed we make special prices. Quality considered, we can and will meet any competition.

RED FESCUE

FESTUCA RUBRA (Red or Creeping Fescue.)

An excellent bottom grass for pastures and especially for those which are quite shaded. For a lawn is unsurpassed and should be included in all shade mixtures. Sow in spring 30 lbs. per acre; 14 lbs. to the bushel. Price, lb., **40c;** 10 lbs., **$3.25;** 100 lbs., **$28.00.**

We have a trained University botanist in charge of our germination and microscopic tests of our seeds.

FESTUCA TENUIFOLIA (Slender Fescue)

Of principal value for lawn purposes where it does very well on dry and inferior soils as well as in shady places. Good for edgings. Sow in spring 30 lbs. to the acre; 22 lbs. to the bushel. Price, lb., **50c;** 10 lbs., **$4.65;** 100 lbs., **$42.50.**

JOHNSON GRASS (Andropogon Halepensis)

A drought resister and much used in the warmer parts of the southern states. Used for hay, it should be cut just as it comes into bloom, when it is much liked by all kinds of stock. Sow in spring 1½ bushels per acre; 25 lbs. to the bushel. Lb., **20c;** 10 lbs., **$1.25;** 100 lbs., **$9.00.**

LOLIUM ITALICUM (Italian Rye Grass)

Likes a rich, moist, loamy soil where the grass does remarkably well and produces good hay and pasturage. Desirable for this purpose in temporary pastures. Develops very rapidly and is excellent for soiling. Withstands extremes of temperature and remains green throughout the Winter. Valuable in lawn grass mixtures demanding immediate effect. Sow in spring, 60 to 70 lbs. per acre. 18 lbs. to the bushel. Price, lb., **20c;** 10 lbs., **$1.25;** 100 lbs., **$9.50.**

LOLIUM PERENNE (English or Perennial Rye Grass.)

Does very well in this country. Good for both pastures and meadows. Moist and rich clays or loams are the soils best suited to it. The seed is heavy and very quick to start. It is a valuable lawn grass, especially where quick results are sought. Sow in spring, 60 to 70 lbs. per acre.

Perennial Rye Grass—Extra heavy seed, 30 lbs. to the bushel. Lb., **20c;** 10 lbs., **$1.50;** 100 lbs., **$10.00.**

Perennial Rye Grass—Standard weight, 24 lbs. to the bushel. Lb. **15c;** 10 lbs., **$1.10;** 100 lbs., **$8.00.**

POA TRIVALIS (Rough-Stalked Meadow Grasss.)

A perennial species closely related to Kentucky Blue Grass. Does best in moist, cool locations and its principal use is as a bottom grass in permanent pastures. For lawn purposes it does well on sandy moist spots on account of its spreading roots. Sow in spring, about 15 to 20 lbs. to the acre. 14 lbs. to the bushel. Price, lb., **50c;** 10 lbs., **$4.35;** 100 lbs., **$40.00.**

POA NEMORALIS (Wood Meadow Grass.)

In the Northern and Middle States this is the best of all lawn grasses for deep shade. Very hardy and a perennial. Its creeping roots establish a lasting, even and deep green turf. On dry rich soils it makes good pasturage and hay, but is usually too expensive to sow. Sow in spring, 30 to 35 lbs. per acre. 14 lbs. to the bushel. Price, lb., **50c;** 10 lbs., **$4.35;** 100 lbs., **$40.00.**

TIMOTHY (Phleum Pratense)

Chicago is the World's Timothy Center. Our samples are the best and prices the lowest. Vaughan's (V) Brand—better than 99 per cent. pure, and of high Germination. Market varies. (Bu., 45 lbs.). Lb. **15c;** 10 lbs., **$1.25;** 100 lbs. **$10.00.** Grain bags. 22 cents each extra.

VAUGHAN'S HAY AND PASTURE SPECIAL GRASS MIXTURES

We have succeeded in these **Special Mixtures** in producing a heavier, thicker and longer continued growth of grass than when only one or two kinds are sown. We use in each mixture choice recleaned seeds of all the kinds named. Our numbers as below represent five mixtures most in demand and which have well pleased our customers. These mixtures mean quality with us. If you desire a lower priced mixture send us your idea of proportions and we will estimate. Don't take a poor article to save a little on price. It does not pay. Another thing, don't let any one persuade you to sow too thinly. At least 25 to 35 lbs. should be used of most of these.

VAUGHAN'S MEADOW MIXTURES.

No. 1. ON GOOD LAND, NEITHER TOO DRY NOR TOO WET.

This is composed of the following grasses and clovers, properly blended.

		Perennial Rye Grass
Fancy Red Top.	Orchard Grass.	Timothy.
Meadow Foxtail	Hard Fescue.	Red Clover.
Tall Meadow Oat Grass.	Sheep's Fescue.	Alsike Clover.

Price 10 lbs., $2.00; 35 lbs. (about enough for 1 acre) **$5.85; 100 lbs., $16.00.**

No. 2. ADAPTED FOR THE CONDITIONS INDICATED ABOVE.

This mixture is composed of the following grasses and clovers:

Fancy Red Top.	Hard Fescue.	Rough-Stalk Meadow Grass
Tall Meadow Oat Grass.	Sheep's Fescue	Red Clover.
Crested Dog's Tail.	Timothy.	White Clover.
Orchard Grass.		

Price 10 lbs., $2.15; 35 lbs. (about enough for 1 acre), **$6.50; 100 lbs., $18.00.**

No. 3. ON GOOD LAND, NEITHER TOO DRY NOR TOO WET.

This mixture contains suitable proportions of the grasses noted below to insure a satisfactory plant.

Tall Meadow Oat Grass.	Sheep's Fescue.	Kentucky Blue Grass.
Red Top.	Hard Fescue	Timothy.
Orchard Grass.	Perennial Rye Grass.	Red Clover.
	Meadow Foxtail.	White Clover.

Price 10 lbs., $2.00; 35 lbs. (about enough for 1 acre), **$5.85; 100 lbs., $16.00.**

NO. 4. ON DRY LAND.

We have experimented for several years and our experience indicates that the undermentioned grasses thrive the best on dry soils.

Creeping Bent Grass.	Orchard Grass.	Sheep's Fescue.
Tall Meadow Oat Grass.	Red Clover.	Timothy.
Kentucky Blue Grass.	White Clover.	Perennial Rye Grass.

Price 10 lbs., $2.40; 35 lbs., $7.25; 100 lbs., $20.00.

No. 5. ON WET LAND.

Our tests show that the grasses contained in this mixture have given satisfactory results on heavy soils.

Orchard Grass.	Kentucky Blue Grass.	Timothy.
Fancy Red Top.	Alsike Clover.	Rough-Stalk Meadow Grass.
Meadow Fescue.	White Clover.	
Perennial Rye Grass.	Meadow Foxtail.	

Price 10 lbs., $1.85; 35 lbs., $5.50; 100 lbs., $15.00.

TREE, SMALL FRUIT AND TOBACCO SEED

TREE SEEDS. Evergreen seeds should be sown very early in spring, in a firm, sandy seed-bed. Give the young seedlings some shade the first summer. Apple, pear and locust should be mixed with sand in boxes and exposed to frost; where this cannot be done, soak in hot water for an hour before sowing. The other deciduous seeds can be sown in April or May in drills 2 feet apart.

One-pound lots and less include postage; large lots at buyer's expense.

	Pkt.	Oz.	¼ lb.	Lb.
Apple, 10 lbs., $5.50	$0.05	$0.10	$0.20	$0.60
Arbor Vitae, American	.10	.25	.85	3.25
Birch, White	.10	.15	.40	1.25
Box Elder (10 lbs., $4.00)	.05	.10	.15	.40
Catalpa Speciosa	.10	.30	.75	2.50
Locust, Honey (5 lbs., $1.75)	.05	.10	.15	.50
Locust, Black or Yellow	.05	.10	.20	.60
Maple, Oregon Mammoth	.05	.10	.35	1.25
Mulberry, Russian	.10	.20	.60	2.00
Osage, Orange	.05	.15	.20	.75
Pear, French	.10	.20	.60	2.00
Pine, Scotch	.10	.20	.50	1.60
Spruce, Norway	.10	.20	.50	1.60

SMALL FRUIT SEEDS. These germinate slowly. Sow them early.

RASPBERRY SEED. Large fruited sorts, mixed. Pkt., **10c;** oz., **20c.**
CURRANT SEED, RED. Pkt., **10c;** oz., **20c.**
CURRANT SEED, WHITE, RED OR BLACK. Pkt. **10c;** oz., **20c.**
GOOSEBERRY SEED. Pkt., **10c;** oz., **30c.**

STRAWBERRY SEED.

BELLE DE MEAUX. Pkt., **15c;** 2 for **25c.**
BUSH ALPINE. Bushy globular form upright leaves. Can be used for border, fruits perfectly true from seed. We have both red and white. Plants have no runners. Sown early, they will bear the next year.
Red or White. Pkt., **10c;** 1 pkt. of each, **15c.**
EVERBEARING "LA PERLE." Very large. Pkt., **20c;** 3 for **50c.**
HYBRID MIXED. From many best kinds. Pkt., **15c;** 2 for **25c.** May produce valuable novelties.

TOBACCO SEED

COMSTOCK'S SPANISH. Wisconsin Favorite. Pkt., **10c;** oz., **30c;** ¼ lb., **$1.00;** lb., **$3.50.**
PRIMUS. Yields big crops of extra fine quality. Pkt., **10c;** oz., **25c;** ¼ lb., **75c;** lb., **$2.75.**
HARBY. Turkish; stands heat, drought. Pkt., **10c;** oz., **30c;** ¼ lb., **90c;** lb., **$3.25.**
BRAZILIAN-AMERICAN. Finest Brazilian strain. Pkt., **10c;** oz., **30c;** ¼ lb., **90c;** lb., **$3.25.**
BIG HAVANA. A hybrid Havana or Cuban seed leaf. Pkt., **10c;** oz., **25c;** ¼ lb., **65c;** lb., **$2.50.**
GENERAL GRANT. Leaves 44 inches long, matures crop early. Ideal for cigars. Pkt., **10c;** oz., **30c;** ¼ lb., **$1.00;** lb., **$3.50.**
CONNECTICUT SEED LEAF. Best adapted to climate of the Middle and Northern States, hardy. Pkt., **10c;** oz., **25c;** ¼ lb., **65c;** lb., **;$2.50.**
BIG ORONOKO. Has no equal for strips and dark wrappers. Pkt., **10c;** oz., **25c;** ¼ lb., **75c;** lb., **$2.75.**

ALFALFA—"THE MOST PROFITABLE FARM CROP"

ALFALFA ON A DAIRY FARM IN NORTHERN ILLINOIS

ALFALFA OR LUCERNE

The value of alfalfa on any farm is so generally recognized that it seems almost unnecessary to elaborate. Its strong points, permanency, heavy yields during dry seasons, feeding value especially for Dairy Cattle, have been emphasized so much by all agricultural authorities that up-to-date farmers are fully alive to its advantages.

In growing alfalfa in the middle West and Eastern States much difficulty was first experienced in the obtaining of a stand. From experiences of many we gather the following important points.

1. **Well Prepared Land.** The soil should be deeply plowed and constantly cultivated before planting so that the field will be as free from weeds as possible. The more like an "Onion Bed" the better chances for a stand. The seed bed should be made as compact as possible before sowing, and the seed should be drilled if possible or lightly covered by harrowing.

2. **Lime and Inoculation.** On nearly all soils an application of two to five tons per acre of ground limestone is a great aid to alfalfa. A field, when planting to alfalfa for the first time, should be inoculated with soil from an old alfalfa field, or from the roots of Sweet Clover one half wagon load to the acre, or by a culture like Nitragin, which we offer on page 142. Prof. Hopkins of the University of Illinois is strongly in favor of soil inoculation.

3. **Use Northern Grown Acclimated Seed.**

4. **Season.** June first to middle of July, but successful sowings may also be made in April, May and June.

Alfalfa seed is very short this year especially seed of high quality. Prices subject to market changes.

Utah dry land seed. A very fine sample better than 99.5 pure. **Lb., 30c; 10 lbs., $2.75; 100 lbs., $26.00;** grain bags holding about 150 lbs., **22c each extra.**

Dakota grown dry land seed. There is very little of this extra hardy seed. Alfalfa never yields a crop of seed wet seasons. **Lb., 35c; 10 lbs. $3.25; 100 lbs., $30.00;** grain bags holding about 150 lbs., **22c each extra.**

The "Grimm" or Everlasting Alfalfa has obtained a reputation for productiveness and hardiness all through the Northwest, the seed is identical with other types of alfalfa. The best quality of Grimm seed is obtained by us from a South Dakota grower. Our customers for alfalfa in the North who wish to make a beginning will make no mistake in using this—order early as the true stock is limited. **Lb., 75c; 10 lbs., $6.50; bu., $33.00; 100 lbs., $50.00.**

NEW HARDY ALFALFA, LISCOMB (Variegated Flower)

Liscomb Alfalfa is the result of a crossing and recrossing of the extra hardy yellow flower alfalfa with the ordinary alfalfa, which has culminated in the production of a variety which for hardiness and as a drought resister cannot be equalled.

This variety has variegated blossoms and differs from the ordinary alfalfa by possessing a receeding crown (at times 3 to 5 inches below the surface of the soil) and a branched root system in place of a single tap root. The numerous lateral roots are a decided acquisition as it gives the plant the ability to thrive under severe condition

LISCOMB ALFALFA, SHOWING MANY LATERAL ROOTS

such as drought and heaving of soil from frost. A single tap root is easily broken but if several of the roots of the Liscomb are broken little damage is done the plant. The strain came originally from Germany and the parent field from which our seed has come is now 35 years old and still raising a fine crop of hay and seed without irrigation. In that time no part has winter killed even in the cold Montana climate from whence comes our seed. **Lb., 75c; 10 lbs., $6.50; bu., $33.00; 100 lbs., $50.00, bags included.**

FANCY WHITE CLOVER NORTHWESTERN ALFALFA FANCY MEDIUM RED CLOVER

How some of Vaughan's Fancy Samples of Clover look under a microscope.

CLOVERS AND OTHER LEGUMINOUS CROPS

FANCY MEDIUM RED CLOVER

Clover seed this year is very high and good qualities are scarce. Sow the cleanest, highest germination seed you can find. If unable to determine yourself what is good, send samples of what you are offered to your State Experiment Station, or the United States Department of Agriculture, Seed Laboratory, at Washington, for analysis. Our seed is the purest and highest high testing seed we can buy and we are at all times willing to submit samples from identical lots of seed. Sow 8 to 10 pounds to the acre. **1 lb., 30c; 10 lbs., $2.75; bu., $15.25; 100 lbs., $25.00. Choice grades for less money. Write for samples.**

BOKHARA OR SWEET CLOVER—White Blossom

Sweet Clover can no longer be regarded as a weed. It has its place as a valuable farm crop along with Red Clover and Alfalfa. On worn out or poor soils all over the country, and on good farm lands in the dry sections of states like Nebraska and South Dakota, no other soil renovating plant can produce equally good results. It is the most adaptable of all legumes or nitrogen gatherers, growing on nearly all soils and withstanding the summer heat of the soil and the cold of the northern winters. Cattle and sheep and hogs soon acquire a taste for sweet clover and as a feed it ranks in value close to Alfalfa. It has the same bacteria on its root nodules as Alfalfa and inoculates and prepares a field for that crop. Cut early, before getting too large, it makes good hay. Being a biennial it fits in with any crop rotation. Sow spring or fall. We offer hulled seed of tested germination. Sweet Clover runs a certain per cent of hard seeds. **Hulled seed: Lb., 30c; 10 lbs., $2.75; 100 lbs., $22.00.**

WHITE CLOVER

This variety is extremely valuable for Permanent Grass mixtures or those prepared for grazing land. It will stand more grazing than any other Clover. As the growth is short it has no value in a hay crop. Much used in lawns. Crop short. Sow in spring, 3 to 4 lbs. per acre.

Extra Fancy Seed: Lb., 75c; 10 lbs., $7.00; bu. (60 lbs.), $39.00; 100 lbs., $60.00.

Choice Seed, clean but not as bright as the above: **Lb., 60c; 10 lbs., $5.50; bu., (60 lbs.), $30.00; 100 lbs., $45.00.**

CRIMSON CLOVER

Erect growing annual with long narrow and pointed flower heads. Grown extensively in the East and South for turning under to improve the soil.

Produces a hay crop of excellent feeding value but requires to be cut in full bloom to obtain the full value of the nutriment. We cannot recommend it for the Northern latitudes as it is likely to winter kill. Sow in August or Sept., 15 lbs. per acre. **Lb., 20c; 10 lbs., $1.60; bu. (60 lbs.), $9.00; 100 lbs., $14.00.**

CANADA FIELD PEAS

A valuable crop in the northern states for soiling and for cattle feed. Sown with oats all stock eat the hay greedily and thrive upon it. With the present season's high prices for oats, farmers will find it very profitable to sow these peas along with oats for feed. Sow broadcast, 2 bushels per acre—if sown with oats, use a bushel with 1½ bu. oats. Present price, market fluctuates: **Bu., $3.10; 2 bu., $6.00; 10 bu., $29.00; bags included.**

Vaughan's High Grade Seeds are noted for their quality. Our seed testing department is up to date. We know what we are selling. All our seeds are submitted for analysis under the personal supervision of our botanist.

A Field of Cow Peas—plowed under, a great soil enricher or cut, makes fine hay

MAMMOTH RED CLOVER

Should be included in all permanent grass mixtures, especially on heavy and medium soils. Flowers later than Medium Red Clover, is hardier and not so liable to winter kill. It produces an abundance of Clover hay of the very best quality and always secures the best market prices.

Sow in the spring 8 to 10 lbs. seed per acre. **Fancy Seed, lb., 30c; 10 lbs., $2.75; bu. (about 60 lbs.), $16.20; 100 lbs., $26.00.**

ALSIKE OR HYBRID CLOVER

Thrives well on damp soils or in situations where it is impossible to secure a catch of Red Clover. Because the seed goes so much further than Medium Red and because of its comparatively reasonable price this year, many farmers are giving Alsike the preference. Sow 5 to 6 lbs. per acre in spring. **Vaughan's (V) Brand, lb., 30c; 10 lbs., $2.50; bu. (60 lbs.), $13.00; 100 lbs., $21.00.**

NITRAGIN—Pure Culture

THE IMPROVED GERMAN SOIL INOCULATOR NOBBE-HILTNER PROCESS
NITRAGIN
PURE CULTURE
THE SIMPLEST SAFEST AND SUREST SYSTEM OF SOIL INOCULATION FOR ALL LEGUMES
AWARDED GOLD MEDAL ST. LOUIS 1904

A legume-inoculating material manufactured by the Armour Fertilizer Works, under a late German (Nobbe-Hiltner) Process. We believe this the best of the many Nitrogen Bacteria Cultures. Nitragin Pure Culture is sold by the acre, and is put up in round tin cans, in three sizes—garden, one acre, and five acre. Full directions for use with each can. We can offer cultures of all the different legumes, including Alfalfa, Clovers, Cow Peas, Soya Beans, Vetches, etc., etc. **Price: Garden size can, $1.00; acre size can, $2.00; 5-acre size can, $9.00.**

WINTER VETCH, Vicia Villosa

The Winter Cover Crop. Also called Sand or Hairy Vetch. This is a hardy legume sown in the Northern States in the fall months; growing well that season, and remaining green all winter. It supplies a place in the North that the less hardy crimson clover does in the South. As a winter cover crop, it prevents washing or leaching of soil during the winter, and at the same time being a nitrogen gatherer enriches the soil. Vetch furnishes a very valuable hay or pasture. Drill for cover crop 10 to 20 lbs. per acre. For hay use 1 bu. **Price: lb., 20c; bu. (60 lbs.), $10.00; 100 lbs., $16.00. Write for latest prices in fall. We are headquarters on the seed.**

Winter Vetch

SPRING VETCH or TARES (Vicia Sativa—Oregon Vetch) Sown broadcast at rate of 1 to 1½ bushels to acre, like wheat or barley, and sometimes mixed with oats, for soiling. Valuable for orchards. Used in France and Canada as a substitute for peas. Culture same as field peas. **Per qt., 25c; pk., $1.40; bu., $5.00. Grain Bags, 22c each extra.**

SOJA OR SOY BEANS

This valuable legume is attracting more attention each year. Soja Beans is an ideal crop for turning under to improve worn out soils. As a fodder crop it should be fed in conjunction with corn in proportion of one part Beans to five of Corn so as to reduce the excess of protein in the former. It should be cut for hay before the stems become too woody otherwise the nutritive value of the feed will be endangered. For latitudes north of Chicago we would advise using Northern grown seed. Seed should be sown in June at the rate of ½ bushel per acre and in drills 30 inches apart.

NORTHERN GROWN Ito San and Black Beauty
Scarce another year. Write for latest prices. **Each variety, pk., $1.00, bu., $3.50. Write for prices on other varieties.**

SOUTHERN GROWN SOY BEANS Mammoth Yellow ½ pk., 35c; pk., 65c; bu., $2.00.

COW PEAS—Great Soil Improver

The value of cow peas as a soil enricher is now well known. As fast as farmers understand the advantages of this plant as an agency through which the value of their land may be greatly increased there will be more successful farmers and more profitable farms. It adds nitrogen to the soil at less cost than by any other method. Cow peas make excellent hay. For those in the North who have not had the best success with this plant, a warm sandy soil will give decided advantage. Where never grown before, drilling in and cultivating at first, as for field beans, is the best way to start.

NORTHERN GROWN COW PEA Michigan Favorite A true early type, so long sought. The best for Northern planting, as it ripens as far north as Central Michigan and Wisconsin. **Pk., $1.00; bu., $3.50.**

SOUTHERN BLACK EYE Pk., 80c; bu., $3.00.
WHIP-POOR-WILL Pk., 75c; bu., $2.75
NEW ERA Pk., 80c; bu., $3.00.

All Cow Peas, **25c per quart of about 2 lbs.**
Write for latest market price on quantity of any of the above.

Vaughan's Farm Seed Department

Our list of grains, field and grass seeds, soiling plants and the like will be found to be made up of three standard varieties and such new things as have been thoroughly tried and proven. "Miracle grains and Million Dollar" grasses are not to be found in our catalog, at least not under those names. Due to the location of our two stores we are in constant touch with the leading markets and conditions, our favorable freight rates, either in carlots or less, and the best shipping service in the United States, we are in a position to serve our customers as is no other house.

Free Samples on Request.—Most of our seeds are grown especially for us. All of our seeds are excellent samples, carefully recleaned and were grown under our direct supervision from thoroughly reliable sources.

Prices—The market on this class of seeds is changing constantly and prices given below represent values at the date this catalog went to press. They are made subject to market changes. When purchasing in quantity, write or wire us for our latest prices.

Quality considered, we can meet any competition.

SEED BARLEY—Select, Recleaned

ODERBRUCKER BARLEY (Wisconsin No. 55) A heavy yielding and plump six-rowed variety. Introduced in 1906 by the Wisconsin Agricultural Experiment Station. Particular attention has been given in recent years to the breeding of this grain. A large percentage of the Barley acreage in Wisconsin is now of this grain. Compared to Manshury, Oderbrucker has a stiffer straw, higher protein content and being a more vigorous grower is a better rust resister, average yield of five to ten bushels more per acre than other six row sorts were reported on a series of tests. High protein content makes Oderbrucker of exceptional value for both feeding and malting. Ours is an excellent sample Wisconsin grown, produced from seed secured from the Wisconsin Agricultural Experiment Station.

Price peck 50c, bu $1.75, 10 bu $16.00, bags included.

WISCONSIN PEDIGREE BARLEY (No. 5)

This Barley has won many State and National Championships as the best 6 rowed variety. Prof. Moore of the Wisconsin Experiment Station developed this from the famous Oderbrucker strain after many years breeding and testing. By many trials throughout the middle western states Wisconsin Pedigree has proved a greater yielder than all others. It is tall, growing with plump grain, very stiff straw and large well filled heads. Selected on account of yield and also for malting and feeding qualities.

Price, peck 50c, bu $1.75, 10 bu $16.00, bags included.

MANSHURY BARLEY This is a standard six-rowed Barley and is generally recognized as the most reliable yielding sort under all conditions. It is an early sort with good stiff straw, bearing long plump heads. The grain is large and has no superior for malting

Price, peck 50c, bu $1.75, 10 bu $16.00, bags included.

SUCCESS OR BEARDLESS This is earliest and hardiest of all barleys. May be sown as early as possible in the Spring without danger from frost. The straw is heavy and stands up under a heavy crop. The grain is without beards and can be handled and threshed as easily as oats and is in stock feeding of much more value than common barley as it may be fed without danger of injury to the animals. Yields always show some bearded plants.

Price, peck 50c, bu $1.75, 10 bu $16.00, bags included.

WHITE HULLESS This variety is strictly a feeding sort. It has a grain like that of wheat. In feeding value it is almost equal to wheat and the yield is nearly twice as large. As a dry feed it has no superior. The straw is heavy with good leaves, and when cut green makes good hay. Our seed is grown in the far Northwest and is heavy, fine, bright and very free from hulls. This variety never runs entirely true to type.

Price, peck 60c, bu $2.00, 10 bu $19.00, bags included.

March 13, 1915.

"I have been buying seed from your house for over 15 years, and have never received anything but the best. They have never failed to come up."

MRS. G. H. FARRAR, Myrtle Creek, Ore.

SWEDISH SELECT OATS

SEED OATS

Note, the Oat prices quoted here include burlap bags; if wanted in grain bags, add 22c for each 2½ bushel order

Write for Our Fancy Samples Free

VAUGHAN'S "NORTHWEST SWEDISH" EARLY

Northwest Grown Seed

Introduced a few years ago by the U. S. Department of Agriculture and today the most largely planted of all varieties in the Northern Central States. Briefly described the Oat is pure white in color; the hull is thin and the kernel large and plump; straw is stiff and strong enough not to lodge. A remarkable root development makes the Swedish Oat a good drought resister—a special feature on light soils, Season medium early and the earliest of the heavy yielding sorts. Especially suited to high land.

Price, peck 40c, bu $1.25, 10 bu. $11.50, bags free.

VICTORY OATS In our trials this gave us best results and matured earliest. The grain is of medium size, white, broad and nearly beardless. The straw is very stiff, firm and nearly white when ripening. In Sweden this variety is recommended on clayey and humid soils, but our experience with heavy imported oats is that the lighter soils are neceessary the first year to prevent lodging.

Price, lb. 25c, peck 65c, bu $2.15, 10 bu $20.00.

HVITLING OATS The Swedish Society for Seed Improvement recommends this sort for light or early soils, the grain is larger than Victory, very broad, plump, thin hulled and pearly white, straw medium height and strong, medium early in season, abroad much preferred in the manufacture of oatmeal on account of this grain.

Price, lb, 25c, peck 65c, bu $2.15, 2 bu at $2.10, 10 bu $20.00.

IMPORTED SEED OATS FROM SWEDEN

These Two Kinds Are Actually Imported Seeds

For twenty-five years the Swedish Society for the improvement of seeds at Svalof, Sweden, with government aid, has been working on the improvement of their seed grains. Some truly wonderful results have been accomplished and the methods employed at Svalof are recognized and approved by the highest plant breeding authorities. We have made several trials of these Oats and last year made large direct importations. Write for samples of these. They weigh over 40 lbs. to bu., are clean, and our tests show 90% germination.

We offer on another page the Victory seed grown in the U. S. from seed originally imported.

Vaughan's Pedigree Seed Corns will be found on listed on pages 146, 147 and 148. A suitable variety for every Corn planter no matter where located. Our corn is grown by experts in those sections best suited for the different varieties.

VICTORY OATS

Oats, Amber Cane, Bird Seed

Burlap bags included in price; grain bags, 22c each

VICTORY OATS

The best oat for Illinois, Wisconsin, Michigan, and like locations. Ours is choice good weight, American grown seed, two years from the original Swedish seed. We mail sample of this and all our field and grass seeds free. **Price, Peck, 40c; bu., $1.25; 2½ bu., $3.00; 10 bu., $11.50. Burlap bags free.**

KHERSON OR SIXTY DAY OATS

The most popular new Oat for rich prairie soils. A very early variety and produces large yields. The straw is short and on rich soils does not lodge as do most oats. The grain is small with a remarkably thin hull and light yellow in color. Introduced by the Nebraska Experiment Station and in that state the best yielding sort. An excellent feeding oat, the only objection to it being its color which injures its value to some extent for market purposes.

Price, peck, 40c; bu., $1.10; 10 bu. lots, $1.00 per bu. Burlap bags free.

AMERICAN BANNER OATS

We offer a splendid stock of this favorite northern variety. This variety is extremely early, productive and uniform in ripening. The straw is long, the grain, thick white, and the hull is thin. Our stock is entirely free from rust or smut. Sample weighs over 40 lbs. per bushel. **Price, peck, 40c; bu., $1.25; 2½ bu. $3.00; 10 bu. lots $11.50. Burlap bags free.**

BLACK TARTARIAN

The darkest of the black Oats and a very heavy cropper. It is extremely hardy and seldom lodges. The grain is black, heavy and of high feeding value. We offer clean, heavy Canadian Grown Seed.

Price, peck 45c, bu. $1.50, 3 bu. in grain bags $4.25, bags included.

AUSTRALIAN SALT BUSH

A forage plant for arid or alkali lands. The plant after three seasons neutralizes the soil so other plants will grow. One pound to the acre. Sow in garden bed, and transplant 7 feet apart.

Price, 1 oz. 15c; ¼ lb. 40c; lb. $1.20.

BROOM CORN

Illinois Grown, Far superior to South-Western

IMPROVED EVERGREEN The most popular variety in the Western broom corn growing localities. Brush of good length and handsome appearance and shows almost no red color. Sow 15 lbs. to the acre.

Price, lb. 15c; 5 lbs. 40c; 10 lbs. 75c; 50 lbs. $3.25; 100 lbs. $6.00.

OKLAHOMA DWARF An extra early sort. Height 5 ft.

Price, 10 lbs. 75c; 50 lbs. $3.50; 100 lbs. $6.50.

BIRD SEED

Vaughan's Re-cleaned of Highest Quality

We have facilities for supplying **Fancy Clean Bird Seeds** and Bird Foods; the best only, recleaned and dust blown out. The highest grade seed only, of every kind, is used in Vaughan's Mixture.

VAUGHAN'S MIXED CANARY SEED. Lb 15c, 5 lbs 60c, 10 lbs $1.00.
BLUE MAW (Poppy). Per lb 25c, 5 lbs $1.10.
CANARY SEED. Per lb 15c, 5 lbs 65c, 10 lbs $1.10.
CUTTLEFISH BONE. Per lb 45c.
HEMP. Per lb 10c, 5 lbs 40c, 10 lbs 75c.
LETTUCE FOR BIRDS. Per ¼ lb 10c, lb 25c, 5 lbs $1.00.
MILLET, FANCY RECLEANED. Per lb 6c, 10 lbs 50c.
MOCKING BIRD FOOD. Per lb tin 35c.
BIRD RAPE. (Not Dwarf Essex). Per lb 12c, 5 lbs 60c, 10 lbs $1.00.
SUNFLOWER SEED, extra clean for birds. Lb 15c, 5 lbs 65c, 10 lbs $1.00.

Located at Chicago, the great Central Market for Grass Seed, we are able to select the choicest grades of fancy, recleaned seed of high vitality and at the best market values.

BUCKWHEAT

Market price changes. Write for quantity prices.

Sow after June 15. On worn-out soils, a plowed under buckwheat crop is a good soil fertilizer and improver. Sow 25 lbs. per acre.

JAPANESE Very large grains of dark brown color. Early and heavy yielding. Choice re-cleaned seed.

Price, peck 50c; bu., $1.75; 3 bu., $5.00, bags included.

SILVER HULL A very prolific and early sort. Grain a light gray in color. A great favorite with millers on account of the white flour it produces. Choice seed.

Price, peck 50c; bu. $1.75; 3 bu., $5.00, bags included.

CHUFAS, or EARTH ALMONDS

Used to fatten hogs. Nuts grow under ground very near surface, easily reached by pigs or poultry, and destroyed by them if they have free access. Plant in April, in rows 3 ft. apart, and 8 to 10 inches apart in row. If seed is dry, soak before planting. Sow 15 lbs. of seed per acre.

Pkt. 10c; lb. 15c; 10 lbs. $1.25; 100 lbs. $10.00.

FLAX SEED

Primost Variety, fancy re-cleaned Dakota seed. **Price, peck $1.00; bu. $3.50; bags free.**

CANE, EARLY AMBER

Our customers are constantly increasing their sowings of this cheap and exceedingly useful summer fodder for all stock and especially milch cows. Every farmer, small or large, should make sowings of it.

Sugar cane is the best food that can be grown for feeding cows, horses and young stock during the dry part of summer. Southern seed for fodder. **Lb. 8c; 10 lbs. 40c; 100 lbs. $2.50;** Northern grown, **lb. 10c; 10 lbs. 60c; 100 lbs. $4.00.**

JERUSALEM ARTICHOKES. One of the best hog foods for early spring, roots perfectly hardy, multiply rapidly, tubers sold by many grocery stores. Every amateur should plant some including our new imported French Rose Colored, the smoothest, most attractive and best selling—see page 56.

Artichokes, Rose Colored, Novelty. Price, lb. 30c; 5 lbs. $1.00; peck, 75c; bu. $2.50; bbl. (2¾ bu.) $6.50.

VAUGHAN'S FARM SEED DEPARTMENT—Continued

MILLETS Fancy Recleaned

Write us for market prices and samples on large lots. The market varies continually. Prices include bags.

German Millet

These prices are at Chicago, most Millet seed being grown in the west. If ordered from our New York store, add one-half cent per pound to these prices. We ship our field seeds in carloads, securing lowest cost and freight rates. Postage not included.

GERMAN OR GOLDEN Planted on good land produces a large crop of hay forage during the summer months and leaves the ground in the finest condition for wheat. There is no larger yielding forage plant. Seed is valuable for poultry. (Bu., 50 lbs.) Sow ½ bushel to the acre. Values constantly changing. Write for prices for quantities.
German, Western Grown, bu. $2.50, 100 lbs $4.50, bags included.
German, Tennessee Grown, Extra Fancy, bu. $3.00, 100 lbs $5.50.

JAPANESE MILLET Entirely distinct. It grows 6 ft., yields 10 tons green fodder per acre. When cured it makes an excellent quality of hay, and is a much relished green fodder. Cure as you would a heavy crop of Clover. It may be sown from the middle of May to the 1st of July, broadcast; at the rate of 15 lbs., per acre; but it is better to sow in rows 12 to 18 inches apart, using 10 to 12 lbs. per acre, and cultivate until 15 inches high, when its rapid growth will smother all weeds.
Price, lb. 15c; 10 lbs. 75c; 50 lbs. $3.25, 100 lbs. $6.00.

DWARF ESSEX RAPE

This is an ideal sheep feed, easily grown; perfectly hardy and possesses remarkable fattening properties. One acre will pasture 36 head of sheep two months, and lambs will make a gain of 8 to 12 pounds a month. Pigs and cattle are also very fond of it. The plant is a rank grower and should have heavy manuring as well as high cultivation. Any corn soil will grow Rape. Sow the seed by the end of June and the crop can be ready to feed at a season when it is most needed. It does well sown with oats. After oats are cut the Rape grows rapidly. If the soil is rich and clean, sow broadcast; if not so clean, sow in drills and cultivate as for corn. When sown broadcast use 5 lbs. and if in drills 2 lbs. to the acre. This seed is of our own direct importation this year, Dutch Stock prohibited through War.
Genuine Dwarf Essex Rape is very scarce. Write us for prices.

HUNGARIAN GRASS Yields heavy growth of excellent hay. When saved for hay should be cut before the seeds become hard. Can be sown as late as July. (Bu. 48 lbs.) Sow ½ bushel to the acre. Subject to market changes. Write for latest prices.
Bu. $3.25, 100 lbs. $6.00, bags included.

PEARL OR CAT-TAIL MILLET No other plant makes so much forage. Three successive cuttings of one crop in Georgia yielded 52,416 lbs. per acre. Stools at ground; thick foliage. Can be cut when 3 feet high. Sow 5 lbs. per acre in drills, 3 feet apart or broadcast at the rate of 25 lbs. per acre.
Price, ¼ lb., 8c; lb., 15c; 10 lbs., 88c; 100 lbs. $7.00. Bags free.

Dwarf Essex Rape

WHEATS—Spring

FANCY NORTHERN SEED. Subject to market fluctuations. 2 bu grain bags 22c each. ☞Write for latest QUANTITY Prices.

MARQUIS SPRING WHEAT

In the northwest spring wheat district Marquis Wheat is now regarded as the finest of all varieties. Introduced by Prof. Saunders of Ottawa, Canada, the result of a cross between Red Fife and acclimated Hard Red Calcutta wheat. It is earlier than Red Fife and has out yielded all other spring wheats wherever grown. In milling quality and appearance it is in a class by itself. Marquis Wheat grades number one almost every minute. It has won the first prize for the best American wheat at all the International Shows the past three years. True stock, fancy Canadian grown. Wheat price changeable.
Price, peck, 60c; bu. $2.00; 2 bu. $3.85; 5 bu. $9.75.

SPRING EMMER

Incorrectly called "SPELTZ"

A grain especially suited for dry lands. Being semi-hardy, it can be sown very early in the spring like oats. Emmer grows best in the dry prairie regions with hot summers, and even does well in poor or stony ground. It is a better drought and rust resister than either Oats or Barley, and it also yields considerably better. The feeding value is high.
Lb. 8c, 3 lbs. 20c, bu. 40 lbs. 85c; 5 bu. $3.75, bags included.

SPRING RYE A good catch crop, as it may be sown later than most grains. Not so good a yielder as Winter Rye.
Price, peck 50c; bu. $1.75, bags included.

March 15, 1915

"We find that Vaughan's Seeds are much cheaper than most of the other Seedsmen, and are of the very best quality."
LAURA G. M. KELLEY, Springfield, Mo.

SASKATCHEWAN FIFE A very hardy and productive red variety. Makes the famous Northwest No. 1 milling wheat.
Price, Peck, 60c; bu. $2.00. Write for latest.

BLUE STEM PEDIGREED A heavy yielding variety, very popular in the Northwest. Heads are very large and well filled. Plants stool freely. Our seed is carefully selected.
Price, Peck, 60c; bu. $2.00. Write for latest.

MACARONI OR DURUM We have true and carefully selected stock of this now famous introduction of the U. S. Dept. of Agri. Best for dry districts.
Price, Peck 60c; bu. $2.00. Write for latest.

PEANUTS

SPANISH The earliest variety grown; pods are small, but remarkably solid and well filled. Interesting for children. Sow in drills 3 feet apart, placing the nuts 8 to 10 inches apart to allow for the bushy habit of the plants.
Pkt. 10c; ¼ lb. 12c; lb. 20c; 5 lbs. 75c; 10 lbs. $1.25.

MAMMOTH VIRGINIA The most profitable variety to grow as a market crop, though not so early as Spanish; more easily cultivated; very erect stems and upright foliage with large pods and kernels. Sow in drills 4 feet apart, placing the nuts 6 inches apart.
Pkt. 10c; lb. 20c; 5 lbs. 75c; 10 lbs. $1.25.

JUMBO OR NEW ORLEANS SPECIAL This is the giant of the lower Mississippi Valley; surprises everybody. **Pkt. 10c; ½ lb. 20c.**

SUDAN GRASS A new forage plant closely related to the cultivated sorghums; of value particularly in the dry Middle West sections as a drought resisting hay crop. In the Eastern and Central Northern sections should be tried as a substitute for millet, as the crop is larger and has better feeding value. Care should be exercised as with cane and other sorghums in turning cattle on to second growth. Sow in rows and cultivate like Corn. Rows 18 to 24 inches apart require 4 to 6 lbs. per acre.
Price, lb., 15c; 10 lbs., $1.25; 100 lbs. $10.00.

SUNFLOWER MAM. RUSSIAN Standard crop raised for the seed which is used in Poultry and Parrot feeds. Fancy domestic seed.
Price, oz. 5c; lb., 15c; 10 lbs., $1.00; 100 lbs., $7.00

TEOSINTE A valuable continuous cutting forage plant for Southern and Southwestern states, furnishing a most nutritious food green or dry for horses and cattle. It resembles Indian corn, the leaves being larger and the sap sweeter. Sow in May or June in drills 3½ to 4 feet; 2 to 3 lbs. per acre.
Pkt. 5c; oz. 10c; ¼ lb., 20c; lb., 60c.

Vaughan's Nitrogen Gathering Plants

The planting of Leguminous crops, the air nitrogen gatherers, is the cheapest manner of adding the highest priced and most valuable fertilizer, nitrogen.

NEW VELVET BEAN A very heavy yielding Legume belonging to the Soja and Cow Pea class. The most rampant growing of all these sorts. Very popular in the South—and of value in the North for a cover crop.
Price, 3 oz pkt. 10c; ½ lb., 20c; lb 30c; ½ peck 60c, pk $1.15, bu $4.00, bags included.

GIANT BEGGAR WEED (Florida Forage Plant.) An upright growing Legume. A fine fodder plant which reaches immense size, also good for plowing under light soils. Cut for hay when first blooms appear. Plant 10 lbs. per acre.
Pkt. 10c; ¼ lb., 20c; lb., 65c; 5 lbs., $3.00; 10 lbs $5.00.

VAUGHAN'S NORTHERN SEED POTATOES For 30 years we have made a speciaialty of North Michigan, North Wisconsin and North Dakota seed Potatoes, supplying our own stock seeds and delivering selected Potatoes to Central States, South and South West, with greatest satisfaction. Scabby, rough and small ones are thrown out. Heated Refrigerators, good storage, and experienced handlers make your Potato orders left with us in best hands. See pages 46 and 47.

FENUGREEK Annual. The seed is often sought by ostlers to give a temporary fire and vigor to their horses. Good for soiling.
Price, oz., 10c; ¼ lb., 15c; lb., 30c.

LENTILS A leguminous annual. Succeeds best in dry, sandy soil. Splendid pigeon food and also used for soups. **Lb., 30c; 10 lbs., $2.50.**

LUPINS, YELLOW Succeeds well on very poor soil and is exceedingly valuable for ploughing under to improve sandy soil. Good forage, green or as hay. Sow after frost; 90 lbs. per acre.
Price, lb., 30c; 10 lbs., $2.50.

SAINFOIN or ESPARSETTE An excellent perennial Fodder Plant growing about 3 feet high, flowering in June and July. It is adapted for light, chalky soils, being an enriching, heat-resisting Clover; does well in Southern and Western States. May be sown in drills or broadcast. Sow 25 lbs. per acre broadcast, 12 to 15 lbs. in drills.
Price, lb., 25c; 10 lbs., $2.00; 50 lbs., $8.00; 100 lbs., $15.00.

June 9, 1915.

"My seeds are all coming up nicely. I am very much pleased and will always have good words for Vaughan's." M. L. MARTIN, Batavia, N. Y.

Field of Early Corn on the Vaughan Farm near Homewood, Ill.

VAUGHAN'S

Our Seed Corns, Early and Late Dents

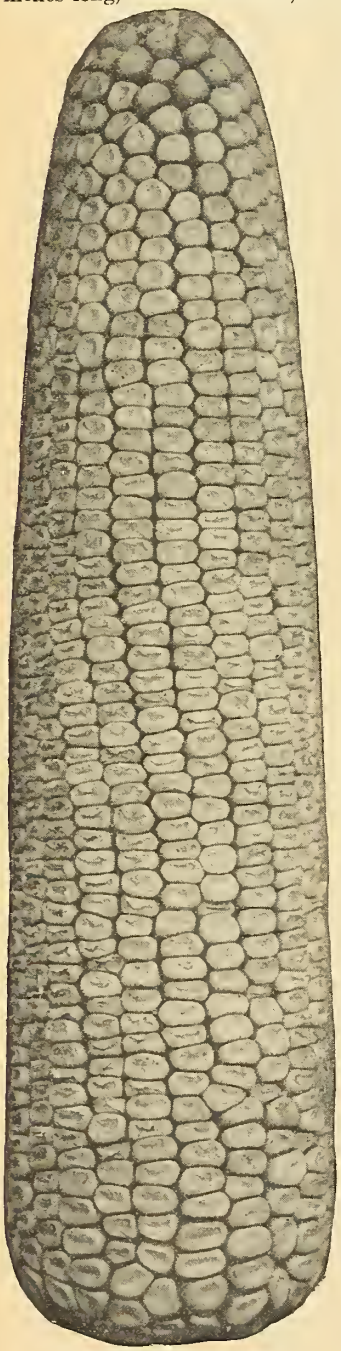
The Corn plant must have heat to mature a crop; the summer and early fall of 1915 was continually dold with much rain. But little good Corn has ripened in the north third of Illinois or in Wisconsin, Michigan and Northern Iowa, while high class seed corn was never so scarce.

Seed Corn for the whole country cannot be raised in one locality. Our seed corn is grown by the most expert growers in those localities where each variety does its best. Kinds suitable only for short or medium season are raised for us in Northern Sections. Main crop sorts we grow where they reach their full maturity and development. Our growers are experienced in raising and curing Seed Corn. We plainly state where each corn has been grown, for corn produces best when planted under similar climatic and soil conditions to which it was originally raised.

As this catalogue goes to press January 1, we can offer prices as below, while stock remains unsold. Write us March 1st if you have not covered your needs then, for our latest CORN PRICE LIST.

REID'S YELLOW DENT (Standad Type)

Shelled and on ear. The great prize-winning Show Corn. Brought to Illinois in 1846 from Ohio. Fifty years of careful selection has resulted in remarkable evenness in appearance of ears. It is more accurately described as follows: Ear 9 to 10 inches long, 7 inches around, 18 to 24 rows with narrow space between rows; deep grains with small cob, well filled at butt and tip. We offer a very choice selection of seed grown from pedigree seed selections for years. It won first prizes at Springfield State Fair and National Corn Show. **Price, Shelled, Qt., 20c; ½ peck., 60c; pk., $1.00; bu., $3.50; 4 bu., $13.50; 10 bu. lots, $30.00. Selected Ears, bu. crate, $4.50; three bu. for $12.75.**



LEAMING IMPROVED

REID'S YELLOW DENT, Northern Grown

This is the highest standard Yellow Dent Corn grown in North Central Illinois. The true type of "Reid's" is at home in the Central Illinois Corn Belt, and is unexcelled. We have never dared sell the regular full sized type of "Reid's" north of Kankakee and La Salle counties. This strain of Reid's differs from the standard type only in running slightly smaller and with larger cobs. Can be used in Cook County and westward as the finest, highest grade yellow Corn which can be safely planted this far north. **Shelled, qt., 20c; ½ peck. for 75c; pk., $1.25; bu., $4.00. Selected Ears, bu. crate, $5.00.**

IOWA SILVER MINE

One of the very best yielding White Dent Corns. Matures in North Central Illinois and in Iowa as far north as Dubuque. Creamy white in color, cylindrical shape, tapering only a little at the tip; 18 to 20 rows; length, 9 inches; circumference, 7¼ inches, kernels rough and deep, a little space between rows; cob small and white. A fine shelling and high yielding variety. In good corn weather ripens in 110 days. Our seed is grown by one of the most famous Iowa breeders. Shelled only—however, every ear selected and tipped and butted. **Qt., 15c; peck, 75c; bu., $2.50; 4 bu., $9.00.**

GOLD MINE

A Yellow Dent similar in its general characteristics to the Silver Mine. Average about half an inch shorter than Silver Mine and two rows less. The kernels are rough and deep. Cob small. In certain sections of North Central Illinois and Iowa as far north as Cedar Rapids, parts of Kansas and Nebraska—a standard sort. This variety has not been as carefully bred as some sorts; however, it has good points. Our seed is carefully selected, grown by a noted breeder specialist on this variety. **Shelled, selected, tipped and butted, qt., 15c; peck., 75c; bu., $2.50; 4 bu., $9.00.**

LEAMING IMPROVED

See illustration. Probably planted over a greater area of country than any other sort on account of its great adaptability. Ripens in 100 to 110 days under favorable conditions in central corn belts. The ear is tapering, length 10 inches; circumference, 7 inches; kernels smooth and firm on the cob; 18 to 20 rows, with medium space between; well filled and rounded tips and butts; kernels yellow, wedge shaped; cob red, of medium size. Used a great deal for ensilage in New York and New England. Our seed is grown from prize stock in the central corn belt. **Shelled, selected, tipped and butted, price, qt., 15c; peck., 75c; bu., $2.50; 4 bu. lots, $9.00.**

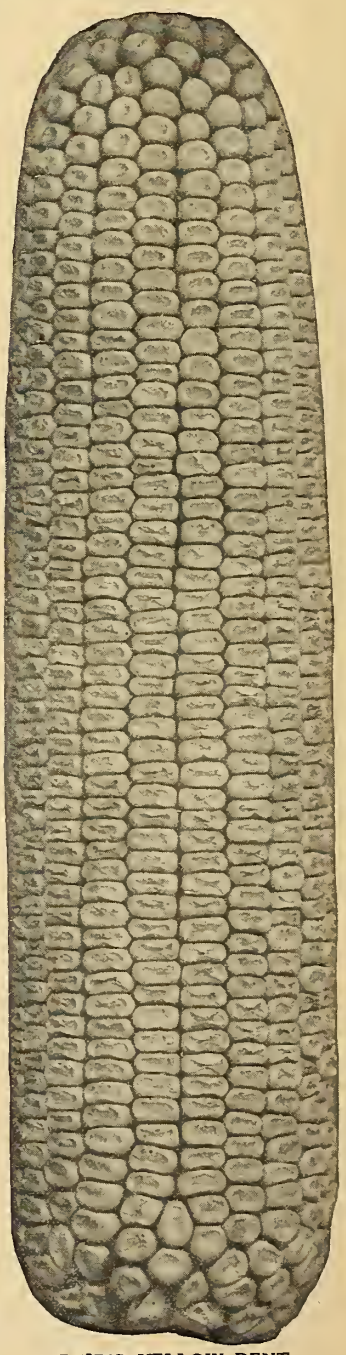
BOONE COUNTY WHITE

The best type of White Dent for the Central Corn Belt States, such as Champaign, Decatur, Central Illinois and Central Iowa sections. This corn has been bred for large ears and matures rather slowly, requiring about 120 days good corn weather. The ear tapers slightly, length 10 inches, circumference 7½ inches, 16 to 22 rows, medium space between, cob white, medium size. Central Illinois grown. **Price, Selected Ears, bu. crate, $4.50. Shelled, qt., 20c; ½ peck, 45c; peck, 70c; bu., $3.50; 4 bu. lots, $13.50.**

HICKORY KING

Fine for the Southern States. Has been bred for small cobs and large kernels. Northern Missouri Seed. **Shelled, qt., 15c; peck., 75c; bu., $2.50; 4 bu., $9.00.**

If ordered from New York add 20c per bushel to above prices..



REID'S YELLOW DENT

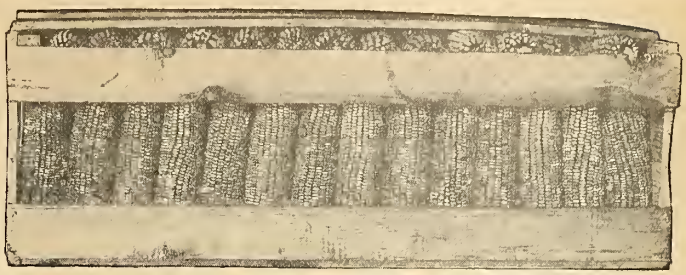
SEED CORN

and Flints, Fit Every Corn Growing Locality

NORTHERN GROWN EARLY SEED CORN

Such varieties of Early Corn as we list on this page are the purest bred Northern Corn sorts to be found. They are grown in North Dakota, Wisconsin, Minnesota, Michigan, Northern Illinois, Northeastern Nebraska and Central Ohio. They begin with the very earliest Flint (Jehu), include all the earliest Dent varieties, and end with the medium season Golden Surprise. For their respective sections they represent the heaviest yielding and purest bred type in existence.

It is now universally recognized that the so-called 90-Day or Early Corn grown in Southern localities requires twenty or more additional days to mature in the North. Farmers plant seed corn grown over fifty miles south of their latitude at a great risk of a soft crop.



A Crate of Vaughan's Selected Ear Corn

The Vaughan Farms in Northern Illinois and Central Michigan are ideally situated for producing those varieties of early corn most suitable for the majority of our customers in the seed corn line, whose farms are located in Northern Illinois, South and Central Wisconsin and Michigan. This year a good sized warehouse equipment for drying our corn has been added to our facilities. We try, without regard to expense, to sell the best bred corn of the highest germination. The corn is field sorted, put in crates and then racked, each ear separately to insure even drying. In drying, artificial heat is used when moisture content demands such treatment.

MADISON YELLOW DENT

MADISON YELLOW DENT

This Corn is, we believe, the best Yellow Dent Corn ever introduced for the vicinity of Chicago, Northwestern Indiana, Wisconsin and Michigan. It grows to maturity in 100 to 105 days of ordinary Corn weather, and is a wonderful yielder. The ear is a little smaller than Reid's Yellow Dent, but resembles the latter variety otherwise. Ears 8½ inches long, 16 rowed, dark red cob. The kernels are deep, closely set together in even rows, with just space enough to permit drying, a very essential point in Northern Corn. Our Strain is grown on our own farms in Central Michigan and Northern Illinois, and under our direct supervision in the same localities. **Price, shelled from selected ears, ½ pk., 75c; pk., $1.35; bu., $4.50; 2 bu. or over at $4.25. Selected ears. bu. crate, $5.50.**

MINNESOTA No. 13 OR WISCONSIN No. 8.

A heavy yielding, extremely Early Yellow Dent Corn. It matures in 90 days of corn weather. Stalks are quite tall and this variety furnishes a large amount of fodder. Grows to a height of 8 ft. on good soil. Ears medium size, 8 inches long, 16 rows, and taper toward the tip. The kernels show a good Dent type and are of fair depth. It is not as well bred as yet as Madison Yellow Dent. It is however, about 10 days earlier. **Minnesota Grown, shelled, from selected ears, ½ pk. for 75c; pk., $1.35; bu., $4.50.**

PRIDE OF THE NORTH A standard Early Yellow Dent, and the most planted of all in Northern Illinois and Iowa. We offer Northern Iowa grown seed, which we find evener in type and earlier in season than a great deal of the Southern grown "Pride." The type varies, usually sixteen rows, tapering to the tip. **Our seed** is from selected ears, tipped and butted. **Price, shelled, pk., 85c; bu., $2.75; 2 bu., $5.00. Postpaid, pkt., 10c; pt., 25c; qt., 45c.**

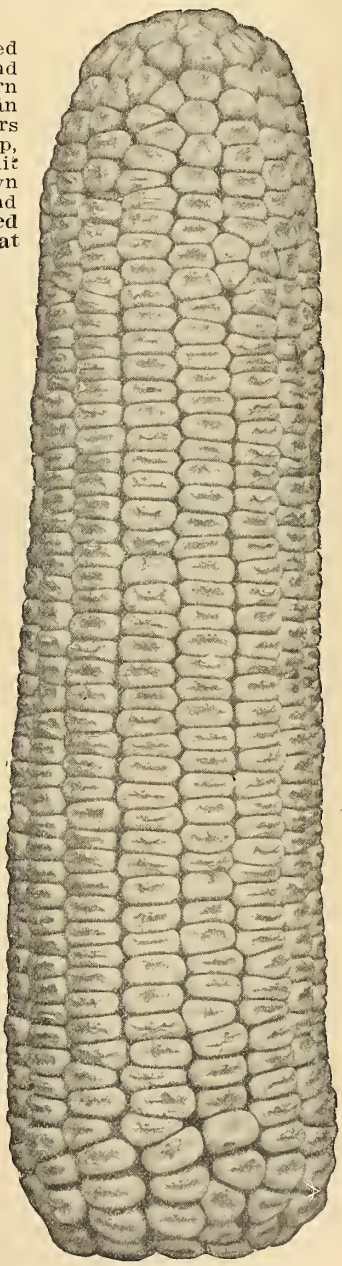
NORTH STAR. This variety which has featured in our catalog for more than 25 years we have occasionally lost our crop of, but good customers of ours in the vicinity of Baraboo, Wisconsin, have maintained a notable purity of selection and we renewed our planting stock last spring. The resulting crop on our own farms this autumn has proven very early, being dry and fit for seed purposes in September. This corn will mature as far north as Madison, Wisconsin. Sixteen rows, deep grain, small red cob, the most valuable Dent Corn suitable for Corn Belt in the latitude of Southern Minnesota and Middle Wisconsin. **Price, Shelled Corn, ½ pk., 75c; pk., $1.35; bu., $4.50; selected ears, bu., crate, $5.50.**

SILVER KING or WISCONSIN No. 7 Matures in 100 to 105 days. Introduced the last four years by Prof. Moore of the Wisconsin Experiment Station. Of good cylindrical shape. Ears 8 inches, usually 16-rowed. The kernels are deep set, just thick enough that rapid ripening is not checked. Excellent for Southern and Central Wisconsin. **Michigan grown, shelled from selected ears, ½ pk., 75c; pk., $1.35; bu., $4.50. Postpaid, pkt., 10c; pt., 25c; qt., 45c. On the ear, per bu. crate, $5.50.**

GOLDEN GLOW. WISCONSIN No. 12 A very early corn with a good sized ear. Matures as far north as central Wisconsin and Michigan. A cross between Minnesota No. 13 and North Star. Ear 8 inches in length—symmetrical, slightly tapering. The kernels are of fair depth, slightly rough. Cob not too large, but big enough so early drying is aided. The plant makes a strong growth with plenty of leaf, thus enhancing its value for fodder. **Write for prices.**

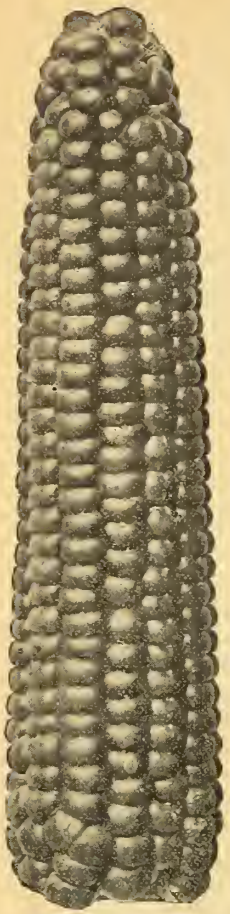
GOLDEN SURPRISE Remarkable for its small cob and high shelling qualities. Central Ohio seed. Recommended for localities south of line drawn from Cleveland to Peoria. **Price, ½ pk., 50c; pk., 90c; bu., $3.50; 2 bu., $6.75.**

DAKOTA SUNSHINE DENT Matures in better than 90 days. Ears 7 inches, quite hard, slightly dented and yellow, tinged with red in color. Good for late planting in central locations, and may be planted closer than later sorts. **Dakota-grown shelled, ½ pk., 90c; pk., $1.50; bu., $5.00. If ordered from New York, add 20c per bushel to these corn prices.**



SILVER KING

Field Corns, Flint, Fodder and Pop



BLACK BEAUTY Pop Corn

EXTRA EARLY FLINT VARIETIES

Add 20c per bu. to these prices if ordered from New York

Pints quoted are about 16 oz.

LONGFELLOW FLINT A beautiful eight-rowed variety of the Canadian type. The ears are of great length, ten to fifteen inches, and in color a rich glossy yellow. The stalks grow tall, seven to seven and one-half feet, and the ears are borne about three feet from the ground. A favorite with chicken raisers in the middle corn belt.
Price shelled, ½ peck, 50c; peck, 85c; bu. $3.00; large pkt 10c, pint, 12c, qt. (about 2 lbs.) **20c.**

GIANT LONG FLINT A tawny and smoky white variety, one of the best for ensilage and fodder because of its suckering habit and breadth of blade. The ears are of unusual length, twelve to fifteen inches, smooth and symmetrical. Stalks bear two to three ears.
Price shelled, ½ peck 50c; peck, 85c; bu. $3.00, large pkt 10c, pint 12c; qt. (about 2 lbs) **20c.**

KING PHILLIP This is an extra early Red Flint sort. The ears are ten inches long and eight-rowed. On poor land it does much better in yield than most other sorts. **One of the very earliest field corns.**
Price shelled, ½ peck 50c; peck, 85c; bu. $3.00; large pkt. 10c, pt. 12c, qt. (about 2 lbs) **20c.**

POP CORN

Selected Ears For Seed

BLACK BEAUTY (New) An extra early variety which pops very large and is the most tender and crisp of all. Although the kernels are black, this color does not seem to show at all when popped, being then a pearly white. Extremely early, ripening so it may be popped the same as grown, without kiln drying.
Pkt. 10c, lb. 20c, 5 lbs. 60c, 25 lbs. $2.25, 100 lbs. $8.00.

JAPANESE DWARF RICE

Very tender and almost hulless. Ears short and chunky. Heavy yielder. **Pkt. 10c; lb. 25c; 25 lbs., $3.00.**

Price of any of the following kinds of Pop Corn, Pkt 5c, lb 12c, 5 lbs 40c, 10 lbs 65c, 25 lbs. $1.50, 100 lbs. $5.50.

ILLINOIS SNOWBALL An improved variety, very prolific; a fine sort for home use.

WHITE RICE Most popular, grain pointed, pops white, and full.

MAPLEDALE PROLIFIC A great yielder. It pops pure white.

QUEEN'S GOLDEN It pops perfectly White, and a single kernel will expand nearly one inch.

WILL'S JEHU Also known as North Dakota Yellow Flint. It is probably the earliest valuable yellow corn we have. The average height is five feet and the ears grow close to the ground. Ears eight in. Dakota seed.
Price shelled, ½ peck 90c, peck $1.50, bu. $5.00. Pkt. 10c, pint 15c, qt. (about 2 lbs.) **25c.**

RHODE ISLAND WHITE CAP FLINT This is the White Flint variety used in New England for hominy and hulled corn. For table quality, flavor and sweetness, it is the best variety of Indian Corn. Its ample foliage makes it desirable for ensilage and fodder.
Price shelled, ½ peck 50c, peck 85c, bu. $3.00. Pkt. 10c, pint, 15c, qt. (bout 2 lbs.) **25c.**

SMUT NOSE FLINT The great favorite in Michigan. It is a yellow flint blazed with red at each end of ear. The ears are ten inches long and large around, very vigorous in growth, producing a good amount of fodder.
Price shelled, ½ peck 50c; peck, 85c; bu. $3.00; Large pkt. 10c, pint 12c, qt. (about 2 lbs.) **20c.**

GOLDEN DEW DROP A handsome bright yellow. Eight rowed flint. Remarkable yielder with few suckers. Ears 9 inches, stalks grow 5½ ft. 90 days to maturity.
Price shelled, ½ peck, 50c; peck, 85c; bu. $3.00; Large pkt. 10c, pint 12c, qt. (about 2 lbs.) **20c.**

FODDER CORN

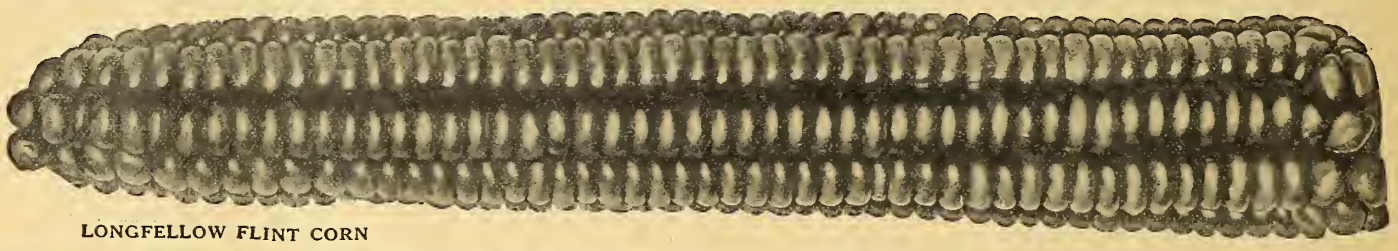
Bags 22c each on bu. lots

The recent vast increase in planting corn for fodder has been mostly due to substitution of this crop when too late for other things. Results have clearly shown that fodder is a paying, necessary crop, especially in dairying. All the different types of corn are planted for fodder, practices varying in different localities. In Canada and New England a flint variety like Longfellow is most in use; farther south the Early Dents or Leaming, many wanting partly or wholly ripened ears; in the Central belt southern grown ensilage corns; while sweet corn for dairying regions is used.

"RED COB" ENSILAGE or FODDER This selcetion has great reputation. Has a deep red cob, strong leafy stalks and short joints. Adapted to all sections. **Peck 45c, bu, $1.50; 5 bu, $7.00.**

VIRGINIA MAMMOTH WHITE HORSE TOOTH Small stalks, vast quantity foliage, short joints, kernels large and white. **Peck 50c, bu. $1.60, 5 bu. $7.50.**

SWEET FODDER A great dairy feed. Nothing better for summer and fall green feed, or curing for winter, than sweet corn. **Peck 75c, bu. $2.50, 2 bu. $4.75.**



LONGFELLOW FLINT CORN

FETERITA

SORGHUMS, KAFFIR, MILO, CANE

Vaughan's Early Amber Cane Seed

The value of Sugar Cane as a green fodder crop is yearly being better appreciated by the dairy farmer. Even fodder corn does not produce so rich and rank a growth of good feed for so little money as Sugar Cane. A great quantity of feed may be had from a half acre sown to this crop with a little more than $1.00 invested for seed. Sow 60 pounds to the acre.

We offer both northern and southern seed.

Northern Seed, pkt. 5c; lb. 10c; 10 lbs, 60c; 50 lbs. $2.35; 100 lbs. $4.50.

Southern Seed (for fodder) **10 lbs. 45c; 50 lbs. $1.60; 100 lbs. $3.00; bags included.**

FETERITA Earliest of the drought resisting sorghums. A recent introduction. Out-yielded all other sorgbums during the past dry summer in Kansas. Worthy of a trial in Northern sections.
Price, lb. 10c; 25 lbs. $1.00; 50 lbs. $1.80; 100 lbs. $3.50, bags included.

JERUSALEM CORN The best and surest grain crop for dry countries and seasons; 3 feet high. Makes one large head on main shoot and several small heads on side sboots. Sow 3 to 5 lbs per acre. **Pkt 5c; lb. 10c; 10 lbs. 60c; 50 lbs. $2.35; 100 lbs. $4.50, bags included.**

KAFFIR CORN One of the very best forage plants. Preferred by some to Cane for stock feeding. Grows four to five feet high. For fodder sow 3 pecks per acre broad-cast. **Pkt. 5c; lb. 10c; 3 lbs 25c. 10 lbs. 50c; 50 lbs. $1.60; 100 lbs. $3.00, bags included.**

MILO MAIZE Yellow variety of sorgbum, non-saccharine, stalks 8 to 10 feet high. It bears dry weather and makes its crops where corn would fail. Plant in 3-foot rows and cultivate as corn, 3 to 5 lbs per acre. **1 lb. 10c; 3 lbs. 20c, 10 lbs. 50c; 50 lbs. $1.60; 100 lbs. $3.00, bags included.**

FIELD OF EARLY AMBER CANE IN MICHIGAN

New Forage Plant, Sudan Grass—See Page 145, Price, lb. 15c; 10 lbs., $1.25; 100 lbs., $11.00.

VAUGHAN'S HIGH-GRADE FERTILIZERS

The Yield and Quality of Vegetables Depend Upon Continuous and Rapid Growth

It has been demonstrated that market-garden crops of the best quality are those which are grown under conditions which permit of a continuous and rapid development. Any delay in the growth of a lettuce or radish causes that sharp and pungent flavor of the former and the bitterness and toughened fibre of the latter, beets become stringy, etc. Plant food of the right amount and kind controls the yield and quality of market-garden-products more than any other condition, and it is neither wise nor economical to depend on the natural condition of the soil or the application of stable manure only for profitable crops.

VAUGHAN'S 5-8-1 TRUCK AND FARM MANURE

This is a good brand of concentrated Manure, suitable for **lawns and flowers** as well as vegetables mentioned below. It is of exceptional value and will prove a **money maker** to every farmer or gardener that uses it.

To be used on	Rate per acre.
Essex Rape	200 to 500 lbs
Beans	400 to 600 lbs.
Carrots and Cucumbers	400 to 800 lbs.
Asparagus, Lettuce, Tomato and Strawberries	500 to 1000 lbs.
Beets, Onions and Cabbage	500 to 1500 lbs
Celery	600 to 800 lbs.

Price, 25 lbs., 90c; 50 lbs., $1.60; 100 lbs., $3.00; 200 lbs., $5.25; 500 lbs., $12.50; 1000 lbs., $24.00; 2000 lbs., $46.00.

BON ARBOR A highly concentrated form of plant food. ½ lb pkg making 15 gals., **25c;** 1 lb. pkg. making 30 gals., **50c;** 5 lb. pkg. making 150 gals., **$1.75;** 25 lbs., **$6.50;** box 50 lbs., **$12.50.**

VAUGHAN'S 3-8-1 FERTILIZER. This brand has been especially prepared for such crops as require a quick, strong fertilizer; should be mixed well into the soil. Adapted for tobacco, hops, potatoes, flax, sugar beets, early cabbage, cauliflower, celery, fruits, especially strawberries, sui table for all soils (except sour). Quantity of pounds to be used per acre: Corn, 300 to 500; Clover, 200; Timothy, 200; Pasture, 200 to 600; Early Cabbage and Melons, 400 to 800; Peas, 400 to 800; Pumpkin and Squash, 300 to 600; Radish and Spinach, 500 to 1000. **Price, 25 lbs., 75c; 50 lbs., $1.35; 100 lbs., $2.50; 200 lbs., $4.25; 500 lbs., $10.00; 1000 lbs., $19.00; 2000 lbs., $36.50.**

ACID PHOSPHATE, 14% Available. **25 lbs., 75c; 50 lbs. $1.25; 100 lbs., $2.00; 500 lbs., $7.00; 1000 lbs., $13.50; 2000 lbs., $25.00.**

FERTILIZER MIXTURE 2-8-1

For fruit trees and small fruits, garden truck, tobacco, etc. Quick in starting, lasting in effect, giving firm, healthy growth and developing the fruit. Quantity of pounds to be used per acre: Beet, 500 to 1500; Carrot, 300 to 800; Parsnip, 400 to 1000; Potato, 500 to 1000, Sage, 200 to 600; Salsify, 500 to 1000; Turnip, 500 to 1000; Blackberries, 400 to 800; Grapes, 400 to 500; Strawberries, 500 to 1000 **Price, 25 lbs., 70c; 50 lbs., $1.35; 100 lbs., $2.50, 200 lbs., $4.50; 500 lbs., $10.50; 1000 lbs., $19.50; 2000 lbs., $36.00.**

BONE AND BLOOD. For Cabbage, Cauliflower, Corn and other crops of big surface growth; not desirable for root crops except it is used in connection with potash, salts, or hardwood ashes, and if so used it is especially adapted to fruits, if applied early For garden crops use 300 to 500 lbs. per acre. **Price, 25 lbs., 75c; 50 lbs., $1.25; 100 lbs., $2.25; 200 lbs., $4.15; 500 lbs., $9.50; 1000 lbs., $18.25; 2000 lbs. $36.00.**

BONE, BLOOD AND POTASH

Fertilizer Mixture 5-8-3 Per Cent Analysis

This is our best brand of concentrated manure; excellent for mixing into potting soil or as a top dressing It is a **money maker.** For potting soil use about 20 pounds to a cubic yard of soil, and for the dressing scatter it about as thick as lawn grass is sown, after loosening the surface of the soil. It is excellent for Carnations if applied by the end of October or in November. It can also be applied as a liquid manure by using an 8-inch potful to a barrel of watter. **25 lbs., $1.35; 50 lbs., $2.50; 100 lbs., $4.50; 500 lbs., $19.25.**

CLAY'S FERTILIZER. This valuable imported manure is especially recommended to all who grow either fruit, flowers or vegetables, and wish to bring them to the highest perfection It should also be used in potting soil and as a top-dressing. **Price, 7 lbs., 75c; 14 lbs., $1.25; 28 lbs., $2.50; 56 lbs., $4.00; 112 lbs., $7.00.**

DRIED BLOOD. For top-dressing, for mixing with the soil, and for applying in liquid form, it is one of the best and safest nitrogenous fertilizers. It is splendid for roses, carnations, 'mums, all kinds of pot plants. **Price,** F. O. B. Chicago; **5 lbs., 40c; 10 lbs., 70c; 25 lbs., $1.45; 50 lbs., $2.25; 100 lbs., $4.25; 200 lbs., $8.25; 500 lbs., $19.25**

HARD WOOD ASHES. This is also a splendid fertilizer for the lawn and garden, containing all of the fertilizing elements except nitrogen. If used on the lawn at the rate of a ton or more per acre as a first application, and annual dressing of three hundred pounds afterwards, will insure a thrifty growth of dark color, exemption from ill effects of dry weather and freedom from weeds. **Price, 25 lbs., 50c; 50 lbs., 85c; 100 lbs., $1.50; 500 lbs., $5.00; 1000 lbs., $9.25; ton, $18.00.**

HORN SHAVINGS. These are largely used by florists on such plants as Fuchsias, Geraniums, etc., and in the large vases in Parks and Cemeteries to supply food after the natural fertility of the soil is exhausted. **Price, 5 lbs., 40c; 10 lbs., 70c; 25 lbs., $1.25; 100 lbs., $4.50.**

LAND PLASTER OR GYPSUM. **Per 100 lbs., $1.25; 500 lbs., $4.50.**

PURE ICHTHEMIC GUANO. An Ideal Plant Food, that exactly fulfills all the requirements of Plants and Flowers, Fruit and Vegetables in a well-balanced form.

DIRECTIONS FOR USE.—(1) In the dry state, **1 to 2 ounces to the square yard of ground.** (2) In a liquid state, **a tablespoonful to a gallon of water** in the case of pot plants, about three times a week. (3) In a dry state mix with soil, when potting, **1 part to 100 parts of soil.**

Imported in original bags of 112 lbs. each. **28 lbs., $3.00; 56 lbs., $4.50; 112 lbs., $8.00.**

VAUGHAN'S "ROSE GROWER" BONE MEAL.

This is a special brand we have put up for our trade It is ground fine hence acts quickly. Free from acid and a superb article It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the Western prairies Our "Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action Analysis: Ammonia 4½ to 5½ per cent; total phosphoric acid 22 to 25 per cent, bone phosphate, 48 to 54 per cent. **Price, 5 lbs., 25c; 10 lbs., 50c; 25 lbs., 80c; 50 lbs., $1.35 100 lbs., $2.35; 200 lbs., $4.30; 500 lbs., $10.00; 1000 lbs., $19.50; 2000 lbs., $38.00.**

Quantity Required.—For permanent pasture and mowing lands ½ to 1 ton per acre, for trees and vines, 2 to 4 quarts each for top-dressing, 1000 to 1500 lbs per acre; rose beds and plants, 1 part to about 50 of soil for starting a new lawn. as a base, 3 to 5 lbs per 100 square feet.

REGULAR BONE MEAL. 5 lbs., 20c; 10 lbs., 35c; 25 lbs., 65c; 50 lbs., $1.20; 100 lbs., $2.15; 200 lbs., $4.00; 500 lbs., $9.25; 1000 lbs., $18.00; ton, $35.00.

RAW BONE MEAL. Per 100 lbs., $2.60; 500 lbs., $11.00; 1000 lbs., $21.00; ton, $40.00.

COARSE GROUND BONE, for Grapes, 5 lbs., 20c; 10 lbs., 35c; 25 lbs., 60c; 100 lbs., $2.00.

VAUGHAN'S CONCENTRATED PLANT FOOD

A most useful Fertilizer for all kinds of plants raised in pots. It produces a rapid and vigorous growth and an abundance of flowers.

Package containing food for 20 plants for 3 months **15c; 3 for 40c;** (by mail add 5c per pkg); large package, containing sufficient plant food for one year, **25c; 3 for 65c;** (by mail add 10c per pkg.) Directions in package

BOWKER'S PLANT FOOD. First-class; **Small pkg., 15c;** (by mail add 5c per pkg); **large pkg.. 25c** (by mail add 10c per pkg)

NITRATE OF SODA or Chili Saltpeter. Nitrate of Soda is not a substitute for other Manures, but we recommend it as the cheapest and best form in which to apply Nitrogen to plants. Gardeners who are using farm manure should continue to use it, but use Nitrate of Soda in addition to other fertilizers. If your object is **to grow maximum crops** you must furnish the plant with Nitrogen.

HOW TO USE NITRATE OF SODA

Remove the lumps before using and break them up, which can be done by pounding. Use as a top-dressing at the rate o 100 lbs. per acre on the following vegetables, when plants are well established. **Beets, Cabbage, Cauliflower, Cucumber, Celery, Egg Plant, Lettuce. Spinach, Onions.**

For **Asparagus,** a top-dressing of 250 lbs per acre just as soon as the first shoots make their appearance. For **Strawberries,** a top-dressing of about 100 lbs per acre after the plants have blossomed.

For the **Home Garden** apply as a solution one ounce to two gallons of water.

Price (subject to market changes), 5 lbs., 40c; 10 lbs., 65c; 25 lbs., $1.45; 100 lbs., $5.00; original sack (220 lbs.) $9.50; 500 lbs., $20.00. Write for prices on larger quantities.

VAUGHAN'S SHEEP MANURE

This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid steady growth until maturity. It makes the richest, safest and quickest Liquid Manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. **5 lbs., 25c; 10 lbs., 40c; 25 lbs., 70c; 50 lbs., $1.10; 100 lbs., $1.95; 500 lbs., $8.00; 1,000 lbs., $13.00; ton, 24.00.**

SCOTCH SOOT. (Genuine Imported.) Gardeners know the value of the genuine article for stimulating a healthy growth of dark green foliage, and its beneficial effect in freeing the soil from slugs, grubs and cut worms. **Price, 28 lbs., $1.65; 56 lbs., $2 75 112 lbs., $4.25.**

SULPHATE OF AMMONIA. Used for its Nitrogen. A very desirable fertilizer for all plants in which a large leaf development or rapid growth is desired. Use 1 pound to 50 square feet of ground or bench, or a tablespoonful to a bushel of soil, or 3 gallons of water. **Price, 1 lb., 25c; 5 lbs., 65c; 10 lbs., $1.25; 25 lbs., $2.00; 100 lbs., $7.50.**

SHREDDED CATTLE MANURE. An efficient, high grade natural fertilizer for all general purposes manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so there is no refuse to blow about or be raked off when the growing season begins. If applied to the lawn in the fall it protects the grass roots all through the winter. It is as easy and cleanly to handle as grain, being perfectly dry and can be stored anywhere until wanted for use **Price, f. o. b. Chicago, 100 lbs., $1.80; 500 lbs., $7.00; 1000 lbs., $12.50; 2000 lbs., $21.00.**

VAUGHAN'S HIGH GRADE LAWN FERTILIZER Make first application in early spring when frost is out of the ground, distribute evenly 25 lbs. fertilizer to every 1000 quare feet of lawn In seeding down new lawn, scatter double the amount, 50 lbs. of fertilizer on every 1000 square feet; rake thoroughly, then sow seed.

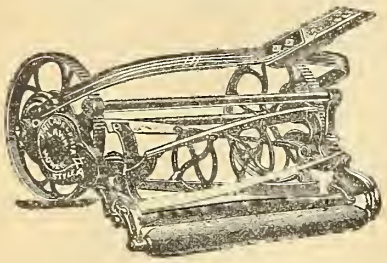
Price, 5 lbs., 35c; 10 lbs., 55c; 25 lbs., $1.10; 50 lbs., $1.90; 100 lbs , $3.25; 200 lbs., $6.00; 500 lbs., $13.00; 1000 lbs., $24.00; 2000 lbs., $46.00.

New York prices—50c per 100 lbs.; $7.00 a ton more. See also page 2.

REGARDING PRICES.—The above prices on Clay's Fertilizer, Nitrate of Soda, Horn Shavings, Scotch Soot and Guano are f. o. b. New York or Chicago; all the other prices are f. o. b. Chicago; if to be shipped from New York, add at the rate of 50c per 100 lbs., or $7.00 per ton on lots of 1000 lbs. or over to the above prices.

Vaughan's Lawn Requisites

Lawn Mowers



Philadelphia Lawn Mower

High Wheel (Steel)—Style A

The King of High Wheel Mowers. Constructed of steel throughout, it is much lighter in weight than any Mower of its size, consequently it is lighter in draught and easier to push. Fitted with four-cutting-blades and ten-inch drive wheels—does not readily get out of repair, and in this way makes up for the higher cost by lower repair bills.

15 in.	17 in.	19 in.	21 in.
$10.25	**$11.50**	**$12.75**	**$14.00**

High Wheel—Style K

For all-round general purposes this is one of the best style Mowers on the market. With its high wheels it runs light, and five knives it cuts smooth and even, with the principles of construction so evenly balanced that it has the greatest amount of durability.

14 in.	16 in.	18 in.	20 in.
$6.15	**$6.80**	**$7.40**	**$8.00**

Write for complete Philadelphia Lawn Mower Catalog.

The Vaughan Lawn Mower

The driving wheels are ten inches in diameter, cylinder fitted with 4 blades suitable for long or short grass. Cylinder can be removed from machine without disturbing the frame of the machine. We guarantee every Vaughan Mower to do satisfactory work.

15 in.	17 in.	19 in.	21 in.
$8.50	**$9.50**	**$10.50**	**$11.50**

The Eagle Philadelphia Horse Lawn Mower

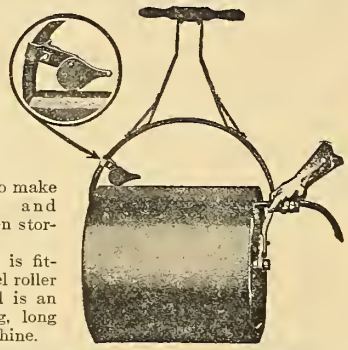
The roller of this Mower is in two sections and is 14 inches high, making the 40-inch machine light work for one horse. Weight, exclusive of shafts, 35 inch, 580 lbs.; 40 inch, 610 lbs. **Price** (including seats, shafts and side-draft attachment) f. o. b. Chicago or New York: **35-inch cut, $100.00; 40-inch cut, $110.00.**

N. B.—We can also supply any standard make of Horse Mowers. Write for prices before purchasing.

Lawn Rollers

"Dunham" Water-Weight Lawn Rollers

One and two section



This roller has a water tight steel drum which can be filled with water to make it heavy, and emptied when storing away.

The roller is fitted with steel roller bearings and is an easy running, long wearing machine.

Without Counter-Balancing Hand Weights

	Dia. in.	L'gth in.	Sections	Wt. em'ty	Filled water	Price
WB3	14	20	1	65	200	$ 8.80
WB5	18	24	1	80	310	11.25
WB7	24	24	1	115	500	14.60
WB9	24	32	1	130	650	16.20
WB11	18	24	2	100	330	15.40
WB13	24	32	2	160	650	19.50

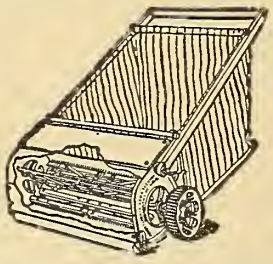
Gold Medal Roller Bearing Rollers

	Diameter	Face	Sections	Weight, lbs.	Price
No. 401	15 in.	16 in.	2	150	$ 7.60
No. 402	15 in.	24 in.	3	200	10.00
No. 403	20 in.	20 in.	2	250	12.40
No. 404	20 in.	24 in.	3	300	14.60

Philadelphia Grass Collector

Has a galvanized iron bottom and never-rip cloth connections. Always be careful to state size and style of Mower when ordering. **Price for High Wheel and Styke K and the Vaughan Mower, 14 and 15-inch, $1.60; 16 and 17-inch, $1.70; 18 and 19-inch, $1.80; 20 and 21-inch, $1.90.**

Gem Lawn Sweeper



This machine will clean the lawn more thoroughly and quickly than three or four men with hand rakes, and greatly benefit the turf. Put together in the most durable and thorough manner. The rakes are flexible, the rake-heads being divided in the middle and hung on easy-swinging hinges which are kept in position by retaining springs. We can guarantee the machine to do good work.

Price, 24-inch wide, each $16.00.

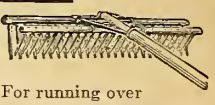
Philadelphia Horse Lawn Sweeper

A revolving brush in front sweeps the sod clean and throws the sweepings backward into a large box in the rear. The box can be dumped without stopping. The only reliable horse machine on the market. Sweeps 40 inches wide. **Price $72.50.**

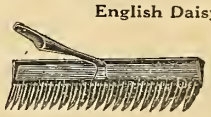
Sundry Lawn Implements

Lawn Rakes

Automatic Self Cleaning. A backward motion of the operator clears all the teeth at once. **Each, 75c.**



English Daisy. For running over lawns, tearing off disfiguring daisy and dandelion flowers! 20 teeth. **Each, $2.75.**



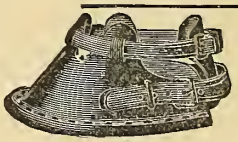
Lawn Queen. Wire teeth, reversible head; 24 teeth. **Each, 45c;** 36 teeth, **each, 75c.**

Erwin Dandelion Rake. Specially designed for catching and cutting off heads of dandelion blossoms, preventing their spreading and disfiguring the lawn, It is also a superior all-purpose lawn rake and never injures the sod.

Erwin Dandelion Rake Price, each, $1.50

Gem Dandelion Rake. Fine-toothed, self-cleaning; designed for picking dandelion blossoms and gathering dead grass, leaves and other litter. **Price, each, $1.50.**

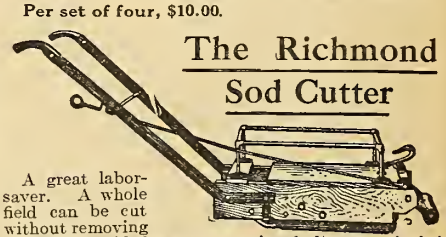
Horse Lawn Boot



Indispensable Where Horse Mowers are used. Our boots are made to fasten round the ankle, and is the most humane boot on the market. Made in three sizes.

No. 2 for No. 2 horse shoe 5½ in. inside measure.
No. 4 for No. 4 horse shoe 6½ in. inside measure.
No. 6 for No. 6 horse shoe 7 in. inside measure.
Per set of four, $10.00.

The Richmond Sod Cutter



A great labor-saver. A whole field can be cut without removing the sod, provided a narrow strip of about one inch in width is taken out at the start. **Price $23.00.**

Capitol Lawn Trimmer and Edger

Does what Lawn Mowers leave undone. Having one side without wheel, it can be run close to walls and trees, cutting grass clean and quick. Can also be used for trimming edges of walks, etc.; 4 steel blades, 6 inches wide. **Price each, $6.00 complete.**

Utica Lawn Trimmer

Each..... $3.50

For Scythes, Shears (border), Leaf Carts, etc., see General list of Garden Implements.
Full line of Lawn Sprinklers, see opposite page.

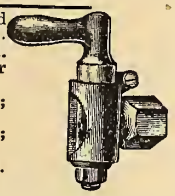
Vaughan's Lawn Hose, Sprinklers, Nozzles, Etc.

Hose Nozzles

Boston Rose Spray. Brass; for ¾-inch hose; useful for watering lawn and garden. **Each, 60c; by mail, 70c.**

Gem. Best all-around hose nozzle; can be used for lawn or garden, as it can be changed from fine spray to a stream by simply turning; **for ¾-inch hose. Each. 50c; if by mail, 60c.**

Insecticide Nozzles



These are especially designed for use in spraying insecticides. Made to fit ¼-inch pipe connection. If wanted to fit ¾-inch hose, order reducer, **25c extra.**

Bordeaux Nozzle. Each, **75c; by mail, 80c.**

Vermorel Nozzle. Each, **75c; by mail, 80c.**

Coupling to fit nozzles to hose. Each, **25c.**

Bamboo Extension Rod

Lined with aluminum Eight feet long, with stop cock. Each, **$3.00.**

All Iron Hose Reel

Very light, frictionless; wheels being so high are very easily worked; never break or wear out.

No. 10 for 100 ft. ¾-in. hose..... **$2.75**
No. 20 for 150 ft. ¾-in. hose..... **3.00**

The Cooper Hose Mender

Best hose mender. Copper, with sharp barbs on either end, prevent hose slipping off. ½ or ¾-inch, each, **10c;** doz., **90c;** 1-inch each, **12c;** doz., **$1.15,** postage, **5c** doz. extra.

Iron Mender, for ¾-inch hose. Each, **5c;** doz. **50c**

The Evanston Sprinkler

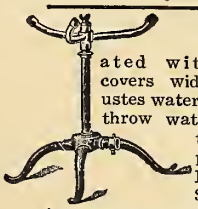
One of the best lawn sprinkers; has no revolving parts to wear out; will not clog with dirt. Gives even distribution of water over wide area. The fineness and symmetry of its spray make it especially desirable for new lawns and flowers. Its location may be easily changed while under full working head by aid of wire or cord. Each **35c.** Mailing weight about 2 lbs.

Lincoln Park or Butterfly

Used for years in Chicago parks; one of the most satisfactory sprinklers. Each, **30c.**

Mounted on stand, 2 foot, **75c;** 4 foot, **85c;** 6 foot, **$1.00.**

Columbia Sprinkler



Three Arm Lawn Sprinkler, can be operated with moderate pressure, covers wide area, and distributes water evenly. Revolving arms throw water in a fine spray into the air and the motion produces a fine mist. Height, 1 foot. Each, **$1.25;** 3, for **$3.45.**

Australian Sprinkler

This sprinkler is one of the best distributors of water, because of its rapid revolution and form of its wings, spraying the water very finely and evenly.

Mounted on stand, 2 foot, **65c;** 4 foot, **75c;** 6 foot, **85c;** 8 foot, **$1.00.**

Rubber Hose

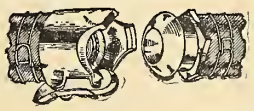
Electric Non-Kinkable.

Best hose, finest quality of rubber. Will not kink and will last for years. We can supply any length and will fit with "snap" hose couplings if advised when ordering. Price, ¾-inch, or ½-inch, per 25 feet, **$5.50;** 50 feet. **$10.50;** 100 feet, **$20.00.**

Velvet

A first class smooth hose will give good satisfaction Price ¾ in., per 25 feet. **$5.00,** 50 ft. **$9.00,** 100 ft **$17.50.**

The "Snap" Hose Coupler



Best coupler, simple durable, always tight for ¾-inch hose. Per pair, **35c.**

HOSE COUPLER, Brass, for ½ or ¾-inch hose. Each, **20c;** doz., **$1.80.**

Hose Straps, Coldwell. Used in fastenings coupler on hose. Doz., **15c.**

Perfect Clinching Hose Coupler

¾-inch, per pair, **25c.**

Perfect Clinching Hose Mender

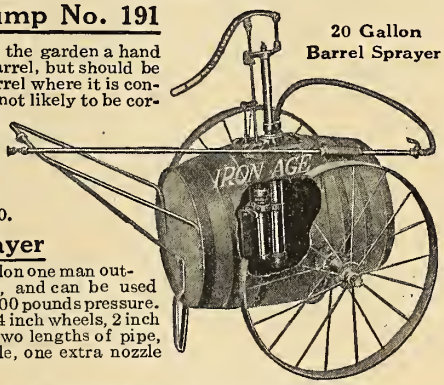
A self fastening coupling that does not require extra bands, bolts or wires. It adjusts itself to any thickness of hose, ¾-inch, each, **10c;** doz. **$1.00.**

SPRAYERS FOR INSECTICIDES

Iron Age Vertical Barrel Sprayer Pump No. 191

For the man with a small orchard or a few trees in the garden a hand pump furnishes high pressure fairly easily. Fits any barrel, but should be fastened to strongest side of barrel, mounted outside of barrel where it is conveniently reached. Not being covered with solution, is not likely to be corroded. Only parts being inside barrel are dasher and suction pipe. Latter has fine screen at bottom, so sediment cannot pass through pump. Dasher operated automatically with pump handle keeps solution mixed thoroughly.

Price, **$15.00** without barrel; 191 B (with barrel) **$17.50;** 1911 (without barrel) with 15 ft. lead hose **$17.50.**



20 Gallon Barrel Sprayer

Iron Age 20 Gallon Barrel Sprayer

For gardens, estates, parks, poultry plants, etc. 20 gallon one man outfit, mounted, brass pump easily taken out of the barrel, and can be used elsewhere. Ball valves, wick packing, all easily gotten at, 100 pounds pressure. Pump with one hand, guide spray rod with the other. 24 inch wheels, 2 inch tires. Equipment includes **33 inches half inch hose,** two lengths of pipe, two feet each, one sliding grip for pipe, one Iron Age nozzle, one extra nozzle or cap for washing windows, etc. **Price $19.50.**

Iron Age Horizontal Barrel Sprayer No. 190

For small orchard or garden, used on one-horse cart or sled. Pump outside barrel; gives 100 to 125 pounds pressure. Holds 50 gallons. Each sprayer has double hose coupling, so one or two leads of hose can be used. Price, **$21.50** without hose; 1901 with one lead of hose 15 ft. **$24.00.**

Iron Age Strainer Should be used on every Spray Rod and will eliminate at least half of your nozzle trouble. Each **$1.00.**

Sunshine Double Action Spray Pump

A first-class orchard barrel sprayer, made of best material. Solid brass upper and lower cylinders. Main body and pump is all air chamber, and will withstand a pressure of 150 pounds per square inch.

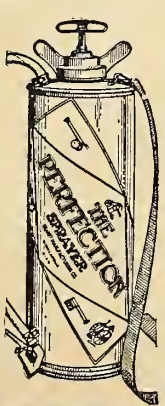
By using an extension rod the tops of highest trees can be reached, and as one or 2 leads of hose may be used, it cannot be surpassed for fast work. Pump can be mounted either on end or side of a wine or kerosene barrel.

Pump complete with agitator, suction pipe, brass strainer and two leads ½ inch hose 5 feet long, fitted with Vermorel or Bordeaux Nozzles,.....**$10.00**

The Daisy Sprayer

Splendid hand sprayer with advantage over similar makes that it sprays when held up or down. Plunger is fitted with double washer which gives spray with backward stroke as well as with forward. Each **65c**

Perfection



The tank is made of heavier metal than is generally used for similar sprayers, while the valve and pump are of special construction to give better service. Hose is attached at such an angle that it will not kink. Unexcelled for Whitewash, Water Paints, Insectides, etc. Galvanized Steel, **$5.50;** All Brass, **$8.00.**

Pneumatic Sprayer

Compressed air **hand sprayer.** Operator sprays with one-half labor ordinary sprayer requires. Throws a fine mist and can be used to apply insecticides, etc. One quart size. Galv. Tank **$1.00;** Brass Tank, each **$1.75**

The Lowell Sprayer

For applying insecticides in form of mist. Reservoir is glass, so operator sees ingredients mixing. Will not corrode or rust. If broken can be replaced with Mason jar. Price, each, **75c;** 3 for.....**$2.00**

Success Whitewash and Spray Pump

This is most excellent for use in gardens, greenhouses, orchards, washing windows, and buggies or whitewashing and spraying poultry houses. Is fitted with Bordeaux nozzle, the best combination spraying device, and can be changed from a solid stream to a spray. It is double action and has large air chamber which throws an absolutely continuous stream solid or in fine spray. It is one of the best pumps made for the money. Price, complete **$4.00** without bucket.

The Auto Spray

Eight to ten strokes of plunger in air chamber compresses enough air to discharge entire contents, making continuous spray for nine minutes. "Auto Spray" is improved by addition of the "Auto Pop" shown in illustration, Briefly, the "Auto Pop" is an automatic valve closed by air pressure used to operate the "Auto Spray." In operation a lever is moved by simply closing the hand, thus opening valve and allowing instantaneous discharge of spray, Price, galvanized iron reservoir, **$5.00,** with **Auto Pop $5.75;** solid brass reservoir **$7.50, with Auto Pop $8.25.** Extension rods 2-foot lengths, **45c.** Two-row attachments, **$1 35.**

0-2 Whitewash Sprayer

To those who desire a medium price sprayer that is constructed of best material and one that will do good work, this sprayer will answer your needs. It is equipped with three feet discharge hose shut-off cock, and our Star spray nozzel and shoulder strap. Each **$6.50.**

Simplex Sprayer

3½ gallon, a system of air tubes inside the tank produces with every stroke of the pump a rotary motion of air and liquid around bottom of tank agitating any of the ingredients that have a tendency to settle. Galvanized, **$3.75;** Brass, **$6.00.**

INSECTICIDES AND FUNGICIDES

Insecticides in small quantities can be sent by Parcel Post, a small extra charge being made for packing. Weights when packed are:—½ pint, 1 lb.; 1 pint, 2 lbs.; 1 quart, 3 lbs.

Ant Exterminator. A non-poisonous powder which, if scattered about their haunts or runs, will kill or drive away ants from lawns, etc. **Box, 25c; by mail, 35c; smaller size, 15c.** Not sent outside states of Illinois and New York.

Aphine. A new insecticide discovery that kills plant lice of every species. Effective indoors and outdoors. Full directions on can; **Pt., 65c; qt., $1.00; gal., $2.50.**

Aphis Punk. Special preparation of nicotine for killing insects. **12 sheets, 60c; 1 case, 12 pkgs., $6.50.**

Arsenate of Lead. Popular remedy for use against all chewing insects that attack foliage and fruit trees. Will not wash off nor in any way burn the foliage. Use two or three pounds to fifty gallons water. **1 lb., 25c; 5 lbs., $1.00; 10 lbs., $1.80; 25 lbs., $3.75; 50 lbs., $7.25; 100 lbs., $14.00.**

BLACK LEAF 40, is a solution of Nicotine Sulphate. It is highly recomended by Experiment Stations throughout the United States as a spray for soft bodied sucking insects. For spraying only, directions must be followed carefully: ½ lb. can **75c,** makes 40 to 100 gallons; 2 lb can, **$2.50,** makes 200 to 500 gallons; 10 lb. can, **$10.75,** makes 840 to 2,100 gallons.

Bordeaux Mixture. (Liquid or Paste). The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. One gallon will make 50 gallons liquid. **1 qt., 40c; gal., $1.00; 5 gals., $4.00. (Dry.)** Ready for use by simply adding water. For potatoes use 4 to 5 lbs. per acre according to size of vines. For fruit trees, 1 lb. to 15 or 20 lbs lime dust. **Lb., 25c; 5 lbs., $1.00; 25 lb. keg., $4.75.**

Carbon Disulphide. For ants and cutworms. **Lb., 45c; ½ lb., 25c.**

Fir Tree Oil. Fine spray for greenhouse and house plants affected with mealy bug, scale, red spider, black and green aphis, thrip, lice, worms and slugs, **Small bottle, 25c; ½ pt., 40c; pt., 75c; qt. $1.25; gal., $4.00.** We do not send this outside of states of Illinois and New York.

Fir Tree Oil Soap. For thrip, red spider, black and green fly, mealy bug, worms. Dissolve 1 oz. in 1 gallon water...Apply with syringe or sponge. **½ lb. tin, 25c; 2 lbs., 75c.**

Fish Oil Soap. (Commonly known as Whale Oil Soap.) An excellent wash for trees and plants where insects and eggs affect the bark. Dissolve 1 lb. in ½ gal. hot water, then add 10 gal. cold water. **Lb., 18c; 2 lbs., 30c; 5 lbs., 65c.**

Fungine. New remedy for mildew, and other fungus diseases, for greenhouse and outdoor use. Full directions on can. **1 pt., 50c; 1 qt., 75c; 1 gal., $2.00.**

Flowers of Sulphur. Used for dusting and fumigating, checks and prevents mildew. **Lb., 10c; 10 lbs., 75c; 25 lbs., $1.50.**

Grape Dust. Excellent for the prevention and destruction of mildew on plants. **Lb., 10c; 5 lbs., 35c; 10 lbs. 50c.**

Hellebore, Powdered White. Less poisonous than Paris Green and safer to use where fruit is nearly ripe. **Lb., 40c; 5 lbs., $1.75; 10 lbs., $3.25.**

Horicum. Sulphur, Lime, Salt, etc., in such proportions as to make an effective wash for use as a preventive and cure for San Jose scale. Use one gallon to 20 gallons of water and spray trees when leaves are off. **Qt., 35c; gal., $1.00; 5 gals., $4.50.** Write for barrel prices.

Kerosene Emulsion. One of the best insecticides for all soft bodied sucking insects feeding openly so as to be within reach of actual contact, such as plant lice, fleas, beetles, aphis, green fly, mealy bug, also for insects of fruit trees, including San Jose scale. 1 part to 20 parts water. For use in soil never make it weaker than 1 in 10. **Qt. 40c; 1 gal., $1.00; 5 gal. $4.50.**

Lemon Oil. Destroys mealy bug, scale, thrip, red spider, etc. Full directions on can. **½ pt., 25c; pt., 40c; qt., 75c; ½ gal., $1.25; 1 gal., $2.00.**

Lime-Sulphur. The best remedy for San Jose scale. One gallon makes ten. Also one of the best Summer sprays, as it is an excellent fungicide. When used in summer dilute with 20 to 30 parts water. **Qt. can, 40c; 1 gal., $1.00; 5 gal. can, $4.00.**

Nico-Fume. Strips of Paper, strongly saturated with Nicotine. These when suspended and lighted make one of the best and simplest methods of fumigating greenhouses. Use 4 to 6 sheets for house 100 feet long by 20 feet wide. **24 sheets, 85c; 144 sheets, $4.00; 288 sheets, $7.50.**

Nico-Fume Liquid. For fumigating or spraying; contains 40 per cent nicotine. **¼ lb., 50c; 1 lb., $1.50; 4 lbs., $5.50; 8 lbs., $10.50.**

Nicoticide. Fumigating or spraying compound for killing insects on plants in greenhouses and frames. **4 ozs., 70c; ½ pt., $1.25; pt., $2.50; qt., $4.50; ½ gal., $8.25; gal., $15.00. Fumigator** for above, **75c.**

Nicoteen. Use same as Nicoticide. **2 oz., 40c; ½ pt., 85c; pt., $1.50; 3 pts., $4.25; original case, (10 pints) $13.00.**

Paris Green. A poisonous insecticide in powdered form, for insects which chew. When applied as a powder use one part Paris Green to 100 parts plaster or flour. As a liquid one pound Paris Green in 150 to 300 gallons water. If used on fruit trees add one pound quicklime. **¼ lb.,10c; ½ lb., 22c; lb., 40c; 5 lbs., $1.75; 14 lbs., $4.50.**

Pyrox. Kills all leaf-eating insects, destroys fungus growth, blight and rot. Mixes easily in cold water, sprays without clogging and sticks to foliage, vegetables, fruits and shrubs. 1 lb. will make 6 gals. of spray for general purposes, or 10 gals. for stone fruit. **Lb., 25c; 5 lbs., $1.00; 10 lbs., $1.75; 25 lbs., $4.00; 50 lbs., $7.50; 100 lbs., $13.50.**

Scalecide. Oil preparation for San Jose Scale. Use 1 gal. to 15 gals. water. **Qt. 40c; gal., $1.25; 5 gals., $4.00; 10 gals., $7.00.**

Slug Shot, Hammond's. Destroys potato bugs and those on tomato and egg plants, currant worms, cabbage lice and worms. **1 lb. carton, 15c; 5 lbs., 40c; 25 to 50 lbs. at 5c per lb.; keg of 125 lbs., net $6.00; barrel in bulk, 250 lbs., $11.50.**

Slug Shot Duster. Each, 35c.

Solution of Copper. For trees, vines or vegetables affected with rot, blight or scab. Use 1 qt. to 25 gals. water. **Pt., 40c; qt., 65c; gal., $2.00..**

Sulphate of Iron. A remedy for weeds on lawns, kills dandelions without injuring grass. Liquid should be applied with a fine spray. Full particulars on application. **5 lbs., 25c; 10 lbs. 40c; 25 lbs. 75c; 50 lbs. $1.25; 100 lbs. $2.25.**

Sulpho Tobacco Soap. One of the best remedies for green fly on roses. Dissolve 2 oz. in 1 gal. hot water. **8 oz. box, 20c; by mail, 25c; 3 oz. pkg., 10c; by mail, 12c.**

Thrip Juice. For mealy bug, scale, thrip, codling moth, canker worms, beetles, caterpillars, etc. 1 part to 40 parts water. Stir well. Apply with syringe or spray. **Pt., 65c.**

To-bak-ine. Strong Nicotine preparation. **1 pt., $2.50; ½ gal., $9.00; 1 gal., $17.50.**

Tree Tanglefoot. Perfect safeguard for trees against Gypsy, Browntail and Tessock moths, canker worm, cut worms, ants, and other insects. **1 lb. can, 30c; 3 lb., 85c. 10 lbs., $2.65.**

Tobacco Stems. For fumigating. **5 lbs., 20c; per 100 lbs. $1.75.**

Tobacco Dust. Remedy for aphis, fleas, beetles, etc. **Lb., 10c; 5 lbs., 30c; 10 lbs., 50c; 100 lbs., $3.50.**

Vermine. The best soil sterilizer for Greenhouse, Garden or Field, thoroughly rids the soil of wire worms, slugs, lice, ants, etc. Mix with 4 parts of water and soak the ground. **Qt., $1.00; gal., $3.00.**

Worm Eradicator. Electric destroyer of worms of every kind at the roots of Trees, Shrubs, Flowers, Grape Vines, Vegetables, etc. Brings worms to surface and rids Golf Grounds of worms without discoloring grass, use 1 or 2 ounces to 1 gal. of water. **4 oz. bottle, 25c; 8 oz., 50c; 24 oz., $1.00; 48 oz., $2.00; 1 gal., $4.00; 5 gals., $17.50.**

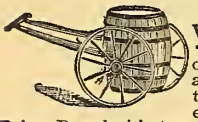
X. L. All-Liquid Insecticide. English nicotine preparation, harmless to very delicate plants. Kills mealy bug, red spider and white fly. Full directions on can. **½ gal., $2.25; 1 gal., $4.00;** f. o. b. Chicago, **½ gal., $2.00; 1 gal., $3.75,** f. o. b. New York.

Weed Exterminator. Herbicide for use in clearing grass and weeds from roads, gutters, tennis courts. Use with 20 to 40 parts of water. **1 qt., 50c; 1 gal., $1.50; 5 gal., $5.50.**

Weed Killer, Eureka. A special preparation which dissolves in water. Will destroy all weeds, moss, etc., on gravel walks, carriage drives, etc., and keeps them under control the whole season. All who have used this preparation praise it highly. **Large size tin,** enough for 100 square yards of path, **$1.00; 12 lb. tin, $3.00.**

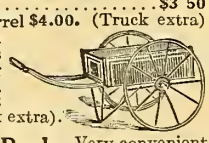
WATER BARREL, HAND CART, LEAF RACK

Adjustable to One Truck



Water Barrel. Can be used for a variety of purposes, barrel can be easily attached or detached from the truck by simply raising or lowering the handles.

Price, Barrel with trunnions.....$3 50
Sprinkler attachment for barrel $4.00. (Truck extra)



Hand Cart. Used with truck makes a very convenient dumping hand cart. Length, 37 inches; width, 23½ inches; depth, 8 inches, **Price $4.00.** (Truck extra).

Leaf Rack. Very convenient for the cartage of leaves, cut grass from the lawn etc. Rack has an average width of 28 in. by 42 ins., and is 21 ins. deep.

Price $7.00. (Truck extra).

Price of Truck, adjustable to all three.....$9 00

HOT BED MATS

Burlap Mats, lined, waste wool and cotton quilted **Size A,** 40x76 in., **$1.10 each; per dozen, $11.00. Size B,** 76x76 in., **$1.60 each; per dozen $16.00.**

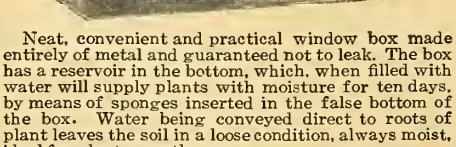
Duck Mats. Same as above, with water-proofed duck on one side to shed rain. **Size C,** 40x76 inches, **$1.50 each; per dozen, $16.00. Size D,** 76x76 inches, **$2.00 each; per dozen, $21.50.**

HOT BED MATS—Continued.

Rattan Mats (Singapore Fibre). Mouse and rot proof, being made of flexible cane fibre, firmly put together. One of the best and most durable mats on the market, 6 ft, 2 in. long by 6 ft, wide. **Each, $2.50; dozen, $27.00.**

Straw Mats. Rye straw, 3x6 ft., **each $1.25; dozen $14.00.** Same mat, 6x6 ft., **each $2.25; dozen $25.00.**

"ILLINOIS" SELF-WATERING FLOWER BOXES



Neat, convenient and practical window box made entirely of metal and guaranteed not to leak. The box has a reservoir in the bottom, which, when filled with water will supply plants with moisture for ten days, by means of sponges inserted in the false bottom of the box. Water being conveyed direct to roots of plant leaves the soil in a loose condition, always moist, ideal for plant growth.

8-in. deep, 9½-in. wide, (except No. 0, 6-in. deep, 6-in. wide).

No.	Length	Price	No.	Length	Price
0	16 in.	$1.00	6	33 in.	$2.10
1	23 in.	1.60	7	35 in.	2.20
2	25 in.	1.70	8	37 in.	2.30
3	27 in.	1.80	9	39 in.	2.40
4	29 in.	1.90	10	41 in.	2.50
5	31 in.	2.00			

Illinois Junior. Slightly lighter steel, otherwise same as above.

8 in. wide, 7 in. deep.	24 in. long	$1.25
	30 in. long	1.50
	36 in. long	1.75

PORCH BOXES

Made on the same principle but they are wider and deeper than window boxes and of heavier material. They insure thrifty growth of flowers and vines during the hottest summer months. Never drip, like the old wooden boxes, and only require watering every 10 days.

9 in. deep, 12 in. wide.

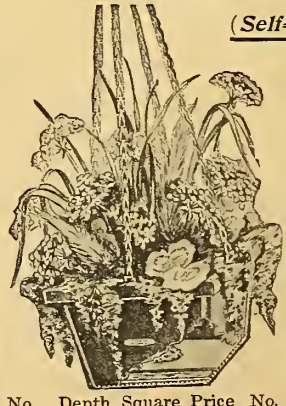
No.	Length	Price
21	37 in.	$3.00
22	41 in.	3.40
23	45 in.	3.75

8 in. deep, 12 in. wide.

No.	Length	Price
24	49 in.	$4.00
25	53 in.	4.25

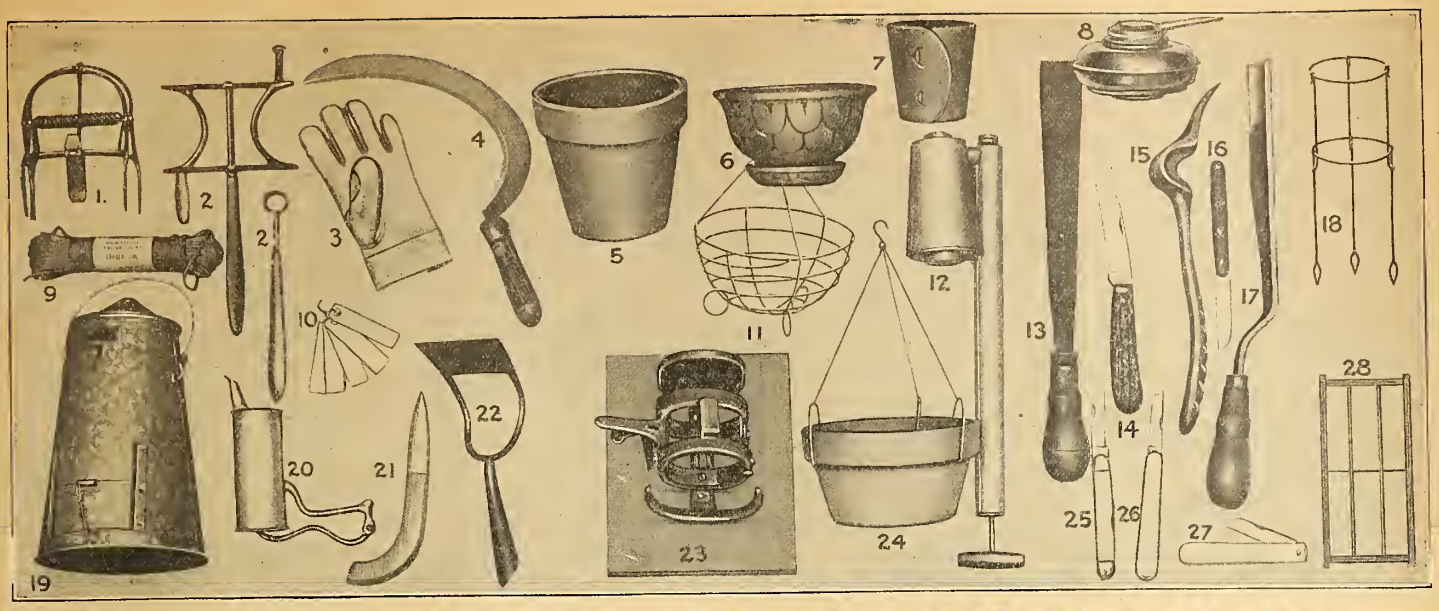
HANGING BASKETS

(Self-Watering)



Vines and flowers grow luxuriantly in these baskets. They require watering only once a week. The water goes directly into reservoir and is drawn upon as needed, so earth is always moist. "Never leak a drop"; may be hung on chains or set on small table. Prices do not include chains.

No.	Depth	Square	Price	No.	Depth	Square	Price
8	6 in.	8 in.	$1.00	12	8 in.	12 in.	$1.50
10	7 in.	10 in.	1.25	14	9 in.	14 in.	1.75



Vaughan's Garden Tools and Requisites

ASPARAGUS BUNCHER. (Fig. 23.) Each, **$2.00.**

BASKETS—Wire Hanging. (Fig. 11.) Each, 6-in., **10c;** 8-in., **15c;** 10-in., **20c;** 12-in., **25c.** 14 in., **35c;** 16 in., **45c.**

Earthenware Hanging.—Terra Cotta. (Fig. 6.) Saucer attached without hanging wire.

Each Doz.		Each Doz.	
7 in.....	$0.20	$1.80	8 in..... $0.25	$2.50
9 in.....	.30	3.00	10 in..... .40	4.25
12 in.....			.50	5.00

BELLOWS—Used for dusting plant with sulphur or like material. Three sizes. Each, **$1.00, $1.25** and **$1.35.**

BOXES—Cut Flower.—Vaughan's "Green" Grade Green lined, moisture-proof board. Very popular

Size in inches	Weight per 100	Per 100	Size in inches	Weight per 100	Per 100
3 x16x4	33 lb.	$3.00	3½x21x7	65 lb.	$4.50
3 x18x5	40 lb.	3.25	3½x30x5	75 lb.	4.75
3 x21x5	45 lb.	3.50	4 x24x8	85 lb.	5.25
3½x24x5	60 lb.	4.25	5 x28x8	105 lb.	6.75
3½x18x6	55 lb.	4.00	5 x36x8	135 lb.	9.50

CARNATION SUPPORTS. (Fig. 18.) Model; wire, 2 rings. Doz., **75c;** 100, **$5.00.**

CARNATION SUPPORTS.—Common Sense.—Has a 24 inch Galvanized Stake that will hold 1-4 Rings. The anchor or foot holds the Support erect and firm. 2 Ring supports, doz., **65c,** per 100 **$3.50;** 3 Ring, doz., **75c,** per 100 **$4.00.**

DANDELION PULLER.—The Vaughan. (Fig. 15.) Made of best steel, after an English pattern; 13½ in. long, weight 12 oz. Each, **50c.**

DANDELION KILLER.—Ideal. A tube 1½ in. diameter, 30 in. long, holds one quart gasoline, which is dropped into dandelion Each, **$1.00.**

DIBBER. (Fig. 21.) For transplanting vegetable plants; steel point. Each, **35c;** (weight 10 oz.)

DUSTER.—Lowell. (Fig. 12.) Each, **75c.**

Little Giant.—The best dry powder gun; will distribute any dry insecticides and fungicides. Will do as much work in a day as a horse power sprayer. Price, **$6.50.**

FORK.—Digging or spading 4 tines. Each, **85c.**

FUMIGATORS.—Eureka (Galvanized). (Fig. 19.)

No.		No.	
1 For ½ pk. of stems.	.50	2 For 1 pk. of stems.	$2.00
3 For ½ bu. of stems.	2.75	4 For ¾ bu. of stems.	3.50

GARDEN LINE REEL.—Each, **65c,** (weight 2 lbs.)

GARDEN LINE.—(Fig. 9.) Each heavy braided. Per 100 feet, **75c;** by mail, **85c.**

GLASS CUTTER AND GLAZING TOOL. Ea. **10c.**

GLASS CUTTER DIAMOND. Each, **$5.00**

GLAZING POINTS. — Vaughan's Perfection No rights or lefts; No. 2, small, single thick glass; No. 1, large, single thick glass; No. 2½, double thick, for greenhouses and skylights. Price per box of 1,000, **70c;** by mail, **85c.**

Siebert's Improved.—Easy to drive, and will not wedge or crack glass, 2 sizes, ⅝ and ⅞-inch long. Price per lb., **60c.**

GLOVES.—Gardener's. (Fig. 3.) Heavy Goatskin. Per pair, **$1.50.**

GRASS HOOKS or Sickles.—(Fig. 4.) **English.** Riveted backs, each, **65c.**

German.—Best cheap Sickle; much used by cemeteries and parks.....Each, **30c.**

GRAFTING WAX.—Per ¼ lb. bar, **12c;** ½ lb. bar, **20c;** 1 lb. bar, **35c.**

HOE.—Draw or Field. Socket handle. Each, **50c.**

Combination Draw and Rake. 4½-inch cut and 4 teeth. Each, **50c;** 6½-inch cut and 6 teeth, **60c.**

English Scuffle or Push. (Fig. 22.) 6-inch, **55c;** 8-in., **65c;** 10-in., **75c.**

Prong Hoe or Potato Hook. Four tines **65c.**

Warren. Best Garden Hoe made. Each **85c.**

KNIVES.—Asparagus. Straight Cut. (Fig. 13.) Each, **45c;** by mail, **50c.**

Asparagus. Concave. (Fig. 17.) Each, **50c;** by mail, **55c.**

Budding. (Fig. 26.) Ivory handle. Each, **$1.25.** by mail, **$1.30.**

Budding. Black handle, ivory tip, strong. Each, **95c;** by mail, **$1.00.**

Propagating. Ivory handle. Each, **$1.25;** by mail, **$1.30.**

Propagating. (Fig. 16.) "The Vaughan," best of all. Each, **75c;** by mail, **80c.**

Budding and Propagating. (Fig. 25.) 2 blades, ivory handle. Each, **$1.25;** mail, **$1.35.**

Pruning. (Fig. 14.) Stag handle, English. Each, **$1.35;** by mail, **$1.40.**

Potato Knife. "The Humphrey." Will cut to one or more eyes without injuring the vital tissues. Each postpaid, **30c;** 3 for **75c.**

LABELS.—Aluminum Tree Labels. (Fig. 10.) Wired 3¾ inches long by 1 inch wide. Price per doz., **35c;** 100, **$3.00.**

Wooden. For pots, painted.

100	1000		100	1000
4 in.....$0.15	$1.00	6 in.....$0.25		$1.75
5 in..... .20	1.50	12 in..... .75		7.00

Tree, Copper Wired...3½ in..... .20 1.50

Copper.—Indestructible. Small, **20c** doz.; 100, **$1.50;** large, **25c** doz.; 100 for **$1.75.**

Cypress.—For use outside, will last for years, 16x1¼ in. Doz., **35c;** 100 for **$2.50;** 18x2 in., doz., **45c;** 100 for **$3.25.**

Iron Age.—Galvanized iron. The reading is protected by a sheet of mica. Each, **20c;** doz., **$2.00;** 100 for, **$15.00.**

LEAF MOLD.—For potting ferns and like plants. Bbl., **$2.50.**

MATS.—See p. 152.

MASTICA.—For glazing greenhouses, hotbeds, sash, etc., better than putty, does not crack, always remains soft. Per gallon, **$1.50.**

MASTICA MACHINE. (Fig. 20.) For applying above. Each, **$1.50,** (weight 1½ lbs.)

MOLE TRAP.—Out O'Sight. (Fig. 1.) One of the best mole and gopher traps. Each, **85c.**

PAINT, Carbolenium.—Used on labels, will preserve them for years. Gallon, **$1.25.**

PANS (Azalea)—

Each	Doz.		Each	Doz.
6 in....$0.10	$1.00	9 in.....$0.25		$2.50
7 in.... .12	1.25	10 in..... .35		3.50
8 in.... .15	1.50	12 in..... .50		

PANS (Fern)—

Each	Doz.		Each	Doz.
6 in....$0.10	$1.00	8 in.....$0.15		$1.50
7 in.... .12	1.25	10 in..... .25		2.25

PEAT.—For potting orchids, etc. Per bbl., **$2.50.**

PEAT MUCK.—For potting Azaleas. Bbl. **$2.00.**

PENCILS.—Indelible. With tip. For marking labels. Each, **15c;** doz., postpaid, **$1.50.**

PLANT BED CLOTH.—For Flower Beds, cheap substitute for glass, answering many uses equally well, width 36 in., 20 to 60 yards, medium, per yd., **15c;** heavy **25c;** 60 to 100 yds. medium, per yd., **13c;** heavy. **20c;** not less than 20 yds. of a kind sold.

POTS (Flower.)

RED CLAY POTS.—(Fig.5.) We pack these carefully but will not be responsible for breakage in transit.

Doz.	100	1000		Doz.	100	1000
2 in..$0.15	$0.75	$6.00	6 in.	$0.75	$4.00	$38.00
2½ in. .18	0.85	7.00	7 in.	1.25	7.50	
3 in.. .25	1.25	10.00	8 in.	1.50	11.00	
4 in.. .40	1.75	15.00	10 in.		each	.35
5 in.. .50	3.50	25.00	12 in.		each	.50

NEPONSET PAPER POTS.—(Fig. 7.) Made of water-proof paper and are light, clean and unbreakable.

Per 100	1000		Per 100	1000
2¼ in..$0.40	$3.00	4 in.....$1.00		$8.25
2½ in.. .45	3.50	5 in..... 1.35		13.00
3 in.. .65	5.00	6 in..... 2.00		17.50
3½ in.. .80	6.25			

POT HANGER.—Kramer's. (Fig. 24.) Converting flower pots into hanging baskets. Price, each, **15c;** doz., postpaid, **$1.50.**

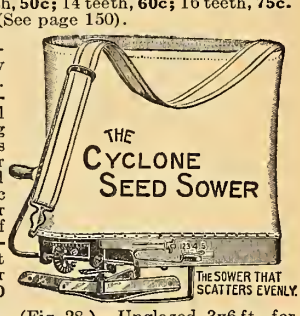
POWDER GUN.—Jumbo. (Fig. 8.) Each, **25c.** small size, **15c;** by mail, **20c.**

PUTTY.—Twemlow's Old English.—Semi-liquid. Same as Mastica. Per gallon, **$2.00.**

PUTTY BULB.—Scollay's. Useful tool with a tube for applying liquid putty in glazing greenhouses, Each, **$1.00,** (weight ½ lb.)

RAKES.—Steel Bow Garden. Best, does not break; 12 teeth, **60c;** 14 teeth, **75c;** 16 teeth, **90c. Garden.** 12 teeth, **50c;** 14 teeth, **60c;** 16 teeth, **75c. Lawn Rakes.** (See page 150).

SEED SOWER—Cyclone. (New Improved Model). An accurate portable seeder, for all broadcast sowing or fertilizing. Fits comfortably over shoulder; provided with automatic adjustment for stopping flow of contents when required. A great time and labor saver. **Each $1.50**



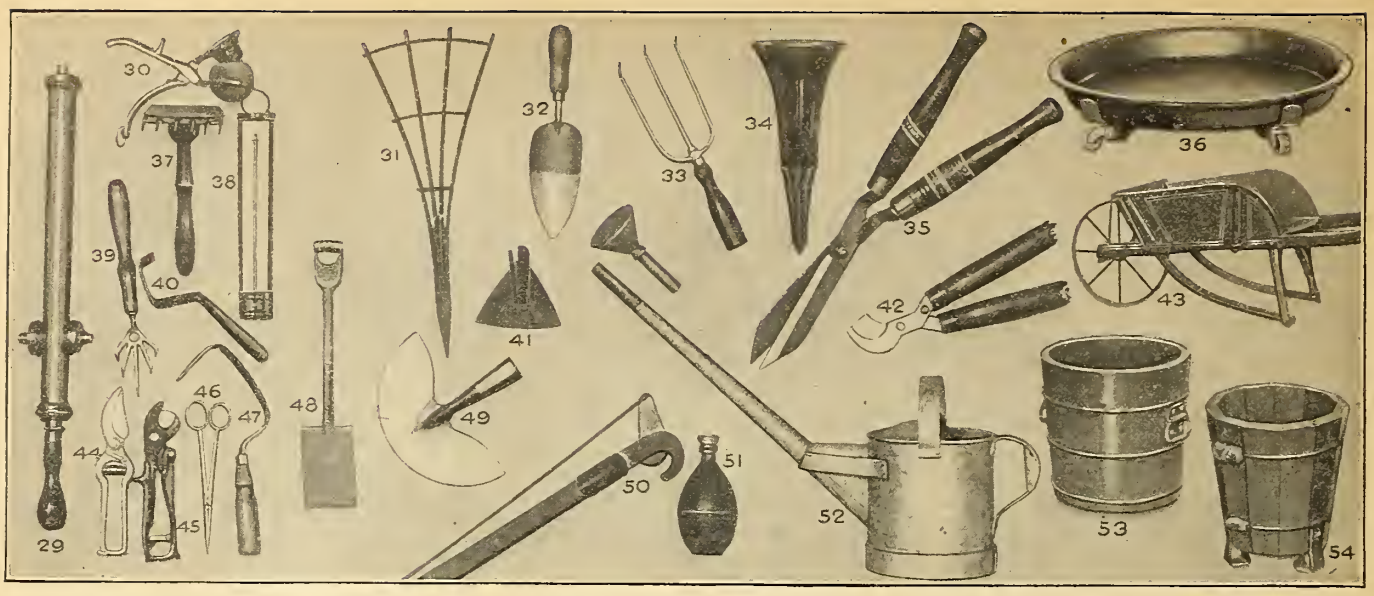
SASH, HOTBED.—(Fig. 28.) Unglazed, 3x6 ft., for 3 rows, 10-inch single glass. each, **$1.60;** 3 for **$4.50;** doz., **$17.50.** Glazed, each **$3.50;** 3 for **$10.40;** doz. ,**$41.00.**

For 38 in. x 6 ft., for 4 rows, 8-inch single glass, Unglazed each, **$1.75;** 3 for **$5.00;** doz., **$18.50.** Glazed, each **$3.60;** 3 for **$10.70,** doz. **$41.80.**

Double Glass Sash, 3x6 ft., for 3 rows 10 in. glass, unglazed, each **$2.35;** 3 for **$6.95;** doz. **$27.75.** Glazed, each **$5.25;** 3 for **$15.65;** doz. **$61.50.**

For 38 in.x 6 ft., for 4 rows 8 in. glass. Unglazed, each **$2.45;** 3 for **$7.35;** doz. **$28.95.** Glazed each **$5.35;** 3 for **$15.95;** doz. **$62.50.**

Our sash are made of clear air-dried Cypress. Unglazed sash are not painted. Glazed shasaer painted one coat.



Vaughan's Garden Tools and Requisites—Continued

SAUCERS.—Fibre, waterproof and unbreakable.

	Each	Doz.		Each	Doz.
5 in.....	$0.15	$1.60	9 in.....	$0.28	$2.10
6 in.....	.18	1.75	10 in.....	.30	2.50
7 in.....	.20	1.90	12 in.....	.32	3.00
8 in.....	.25	2.00			

SAWS—Double Edge Pruning. 16-inch, **85c**; 18-inch, **$1.00**; 20-inch, **$1.10.** Weight 12 ozs.

Vaughan's "Perfection" Pruning. Adjustable blade, so branches can be easily removed close to the tree. Each, **$1.75**; extra blades, **25c.**

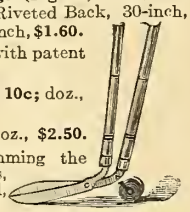
SCISSORS.—Grape Thinning. (Fig.46.) Each, **60c.**

SCYTHE.—Blades. English Riveted Back, 30-inch, **$1.40**; 36-inch, **$1.50**; 40-inch, **$1.60.**

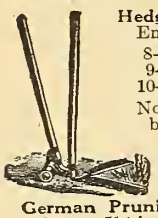
Scythe Snath or Handle, with patent fastening, each **$1.10.**

Scythe Stone, Natural each **10c**; doz., **$1.00.**

Carborundum each, **25c**; doz., **$2.50.**



SHEARS—Border. For trimming the edges of borders and walks, 9 inch, **$2.50**; with wheel, **$2.75.**



Hedge. (Fig. 35.) Best imported English.

8-inch, **$1.35**; with notch..... **$1.50**
9-inch, **1.65**; with notch..... **1.75**
10-inch, **1.90**; with notch..... **2.15**

Notch at crutch of blades to cut small branches.

Lawn—For cutting grass in places which cannot be reached with mower. Plain **$2.50**; 2 wheels **$2.75**

German Pruning. (Fig. 44.) 4½-inch. Each, **$1.00**; 5½-in., **$1.10**; 6½-inch, **$1.20**; 7½-in., **$1.25**; 8½ in., **$1.45**; 9½ in., **$1.60.** Extra Springs, each, **15c.**

California Pruning. Best grade, with double brass springs. Each, **$1.75.**

Levin's Pruning. (Fig. 45.) One of the best pruning shears made. Each, **50c.**

Sheep. With thumb guard. For trimming grass on edges and around flower beds. Each, **35c.**

Sheep. Best quality steel, 6½-inch blade, **$1.25.**

Buckeye Pruning. Long handle. Each, **$1.65**; large size, heavier, **$1.90.**

Clyde Draw Cut Pruner. (Fig. 42.) Extra strong, long handle, **$2.50.**

Improved Wire. For cutting annealed wire. Each, **85c.**

SHOVELS.—Ames. D handle, round point. Each, **$1.35.**

Ames. Long handle, round point. Each, **$1.30.**

Ames. D handle, square point. Each, **$1.30.**

SIEVES. For sifting soil. 18 inches in diameter, all sizes mesh from ⅛ to ¾ inch. Each, **$1.25.**

SOIL.—Potting. Suitable for all ordinary plants and bulbs, and will be sent by express or freight at buyer's expense, sifted and packed ready for use. Peck, **35c**; bushel, **$1.00.** Barrel, **$2.00.**

SPADES.—Vaughan's. Special D handle. (Fig. 48.) Each, **$1.25.**

SPRINKLERS.—The Lenox. (Fig. 30.) A splendid Sprayer for in or outdoor plants, rose bushes, etc. Throws fine spray under or over foliage of any plant or shrub, removing dust and insects. Each **50c**; by mail, **55c.**

Scollay's Rubber. (Fig. 51.) Indispensable for Floral work. Large **$1.00**; by mail, **$1.10**; medium, **75c**; by mail, **82c**; small, **60c**; by mail, **65c.**

STAKES.—Green Painted Wood. Very useful for tying plants, shrubs, etc.

Light Weight.

Per doz.	100		Per doz.	100
1½ ft....$0.25	$1.50	3½ ft....$0.65	$4.75
2 ft.... .35	2.50	4 ft.... .80	6.00
2½ ft.... .50	3.25	5 ft.... .90	6.75
3 ft.... .60	4.00		

Heavy Dahlia. 3 ft.....$0.85 $6.00
Heavy Dahlia. 4 ft..... 1.00 7.50
Heavy Dahlia. 5 ft..... 1.15 9.00

	Per 100	1000
Cane Stakes. 6 to 8 ft. long.....	$1.00	$ 7.00
Cane Stakes. 9 to 12 ft. long, extra heavy.....	2.25	15.00
Bamboo Stakes. 4 to 6 ft. long, light Japanese cane.....	.85	7.00

Japanese Green Plant Stakes.

Doz.	100	1000
1½ ft.....	$0.15	$0.50	$4.00
2 ft.....	.20	.70	5.00
2½ ft.....	.23	.85	6.00
3 ft.....	.25	1.00	8.00
3½ ft.....	.28	1.10	8.50
4 ft.....	.30	1.10	9.00

Galvanized Wire Stakes.

No. 9	Per doz.	100	No. 8	Per doz.	100
1½ ft.....	$0.10	$0.55	3½ ft.....	$0.25	$1.15
2 ft.....	.15	.60	4 ft.....	.30	1.25
2½ ft.....	.18	.70	5 ft.....	.35	1.60
3 ft.....	.20	.85	6 ft.....	.45	2.25

STAND.—Rolling. (Fig. 36.) For heavy plants. Made of indurated fibre ware. Castors have ball bearings; 12-inch, **75c**; 14-inch, **85c**; 16-inch, **$1.10**; 18-inch, **$1.20.**

SYRINGES.—Brass. No. 0, 12½-inch spray for small greenhouses, **$2.00.** (Weight, 2 lbs.)

No. 5. Greenhouse. 18-in., barrel, **$6.00.** (wt. 3 lbs.)

English. (Fig. 29.) Brass, No. 11, 18-inch barrel with two different sprays and one stream, **$4.00.** (Mailing weight, 3 lbs.)

THERMOMETERS.

Tin Case. (Fig. 38.) 8-inch, **25c**; 10-inch, **30c.**

Cabinet. Wood case, **50c**; 3 for **$1.35.**

Imported German. All glass, very accurate for propagating and hot beds, **40c.**

Hot Bed. Brass point, wooden frame, **$2.00.**

Self Registering. With magnet to set it, 8-inch, each, **$3.00**; registers highest and lowest temperature. Minimum for registering cold. **$2.00.**

TOMATO SUPPORTS. Made of heavy galvanized wire, will last for years.

F. O. B. New York. Each, **20c**; doz., **$1.75.**
F. O. B. Chicago. Each, **25c**; doz., **$2.00.**

TRELLIS.—Wood. Fan Shape. (Fig. 31.) 18-inch, **20c**; 3 for **50c**; 24-inch, **30c**; 3 for **75c**; 30-inch, **35c**; 3 for **$1.00**; 36-inch, **60c**; 3 for **$1.50**; 3½ feet 21 inches wide, **70c**; 4-feet, 27 inches wide, **85c**; 5-feet, 32 inches wide, **95c**; 6-feet, 38 inches wide, **$1.10**; 7-feet, 42 inches wide, **$1.35.**

Veranda. 18-inch wide; 5 feet, **$1.10**; 6 feet, **$1.25**; 7 feet, **$1.35**; 8 feet, **$1.60**; 9 feet, **$1.75**; 10 feet, **$1.90.**

TROWELS.—Vaughan's Steel. (Fig. 32.) One solid piece of steel and will outwear all others. Each, **50c**; 3 for **$1.40.** Postpaid, each, **60c.**

Ordinary Garden. 6-inch, each, **12c**; prepaid, **20c.**

English Steel. 6-inch, each, **25c**; prepaid, **35c.**

Transplanting Trowel. Can be used either as a transplanter, dibber or weed digger, blade being deeply curved. 7-inch, **25c**; postpaid, **35c.**

TREE PRUNERS.—Waters'. (Fig. 50.) Length of pole, 4 feet, **60c**; 6 feet, **85c**; 8 feet, **$1.00**; 10 feet, **$1.10**; 12 feet, **$1.25.**

Extra Knives. Each, **20c.**

TUBS.—(Flower), Columbian. (Fig. 54.) Made of the best pine lumber. Has twelve staves in tapered shape held together by two steel wires. Natural varnish finish. Measurements are outside of tub.

F. O. B. Chicago only.

11 by 11½ inches.....Each, **$1.00**; 4 for **$3.80**
14 by 14½ inches.....Each, **1.50**; 4 for **5.60**
17 by 16½ inches.....Each, **2.00**; 4 for **7.50**
19 by 19¾ inches.....Each, **2.50**; 4 for **9.40**
24 by 23 inches.....Each, **3.00**; 4 for **11.00**

Union Cypress. (Fig. 53.) These tubs are made of ⅞-inch cypress, which insures their keeping for years without rotting. Measurements are outside of tub.

No.			Each	4 for
1—	11½ in. diam.,	11½ in. high.....	$1.00	$3.60
2—	13½ in. diam.,	12 in. high.....	1.25	4.50
3—	14 in. diam.,	14 in. high.....	1.65	6.00
4—	16 in. diam.,	15 in. high.....	2.00	7.50
5—	19 in. diam.,	18 in. high.....	3.00	11.00
6—	22 in. diam.,	19½ in. high.....	3.75	13.00

TURF EDGER.—American. (Fig. 49.) Each, **60c.**

English. Imported steel blade, only **$1.00.**

VASE.—Clara Cemetery. (Fig. 34.) Glass, 12-in, sharp pointed, **50c.**

Fiber. For Cut-Flowers. Unbreakable.

9 inches deep, 4½ inches diam.....Each, **$0.50**
10 inches deep, 5½ inches diam.....Each, **.55**
13 inches deep, 8 inches diam.....Each, **.65**
18 inches deep, 5½ inches diam.....Each, **.75**

WATERING POTS.—American. (Fig. 52.) Heavy galvanized round can, two copper-faced roses, long spout; 4 quart, **$1.75**; 6 quart, **$2.00**; 8 quart, **$2.25**; 10 quart, **$2.50**; 12 quart, **$2.75.**

French Style. Oval, otherwise same make as above; 6 quart, **$2.25**; 8 quart, **$2.50**; 10 quart, **$2.75**; 12 quart, **$3.00.**

WEEDERS.—Combination. (Fig. 37). Each, **25c.**

Eureka. (Fig. 33.) Best hand weeder for loosening soil around plants. Short handled, **25c**; long handled, **35c.** (Mailing weight, ½ lb.)

Excelsior. (Fig. 39.) Each, **10c.** (Mailing weight, 4 ozs.)

Lang's. (Fig. 40.) We find this by actual trial a real labor saver. Each, **20c.** (Mailing weight, 4 ozs.)

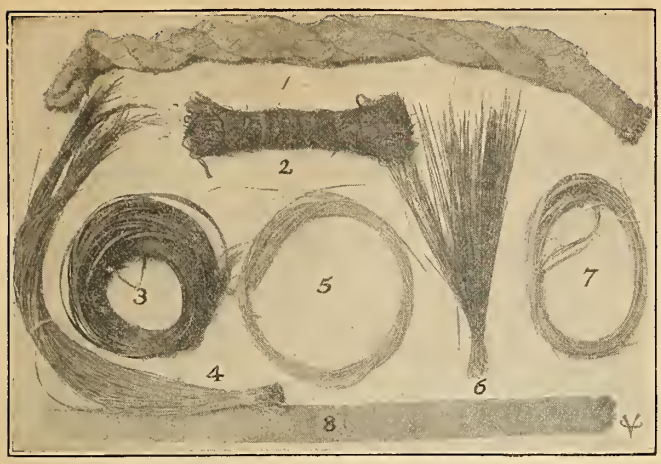
Hazeltine. (Fig. 47.) Each, **20c.** (Mailing weight, 6 ozs.)

Magic Weeder and Hoe. Handy tool, weeder part having four long tines. When reversed can be used as a hoe. Each, **30c.** (Mailing weight, 12 ozs.)

Piqua. Long handled useful tool, makes weeding easy, no stooping. Price, **$1.00.**

WHEELBARROWS.—Globe Garden. (Fig. 43.) Inside measurements of box, 30 inches long, 19 inches wide at wheel end, 24 inches wide at handle end. 12 inches deep. Has a 20-inch wheel. Price, with steel wheel, **$4.50.**

Vaughan Greenhouse. We had numerous calls for a greenhouse wheelbarrow, the ordinary wheelbarrow being too wide. We built a special barrow which fills this want perfectly. Price, each, **$5.00.**



MATERIALS FOR BASKET MAKING

1—Raffia Braid; 2—Raffia Colored; 3—Indian Splint; 4—Sweet Grass; 5—Round Reed; 6—Pine Needles; 7—Flat Reed; 8—Wood Ribbon.

RAFFIA FIBRE FOR BASKETS, ETC.

Raffia is the name given to a long-leaved palm found on the Island of Madagascar. The outer skin of the leaves is stripped off by the natives and tied in long hanks or braids, after which it is packed in bales ready for shipment. As a weaving material it is ideal, combining, as it does, softness and flexibility with great strength. The strands average three feet in length; this gives it a decided advantage over splints and grasses.

The Raffia which we import is the finest grade to be obtained on the island, and should not be compared with the cheaper coarse material offered by many and used principally as tying material in gardens and nurseries. Besides the natural shade, we have it in 12 different colors, dark red, Irish green, olive green, pea green, navy blue, seal brown, orange, black, old gold, pink, purple, bright red, a sample of which will be mailed you upon request.

Natural, bunch (about 2 ozs.)...**$0.10** | **Colored,** per lb.....**$0.60**
Natural, per lb., **30c;** 5 lbs..... **1.25** | **Mixed Colors,** bunch (2 ozs.)... **.10**
Colored, bunch (about 1½ ozs.). **.10** | **Mixed,** per lb..... **.45**
Special White.....2 oz. bunch, **10c;** 1 lb., **40c;** 5 lbs., **$1.50**
Needles, for Raffia Work.....per package **.10**

If to go by parcel post, include postage in remittance.

REEDS (RATTAN)

Since the recent awakening to the importance of basketry, Rattan has been brought into marked prominence. Like Raffia, it is also a palm, growing to an astonishing height, and found mainly in China and the Philippine Islands. Nos. 1 to 8 are the common sizes, 6 and 8 being used for the coarser work.

Sample card mailed upon request.

The European War has stopped the importation of same from Germany and stocks are practically exhausted in the U. S. Write us for list of Reed and prices when in the market. We expect to secure a supply from other sources and would suggest to have you file your name with us for sample card and prices to be mailed as soon as we secure a new supply of Reeds.

INDIAN SWEET GRASS

Sweet Grass is an excellent basket-weaving material and may be combined with Raffia with charming effects. It possesses a delightful fragrance.

Oz., 10c; ½ lb., **60c;** 1 lb., **$1.00.**

WOOD RIBBON

Imported from Germany. Very thin, 2½ inches wide, and comes in Light Green, Dark Green, Pink, Red, White, Yellow, Purple. Samples on request.

Oz., 15c; ¼ lb., **50c;** 1 lb.; **$1.55.**

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Made from ash wood by the Indians. Six colors—green, pink, yellow, red blue, brown, and natural.

¼ inch wide, per roll of 25 yards.....**$0.20**
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We are Special Chicago Agents for Iron Age Tools.

When you made a garden in the old way, you had to be very fond of it, to undertake the drudgery. It is different now—thousands of people are making their own gardens with pleasure and profit in many ways by using **"IRON AGE" Wheel Hoes and Drills.** **With the Wheel Hoes,** you can get over your garden ten times where you did once before—you can prepare the ground, furrow, weed, hoe, cultivate, ridge and cover. **With the Drills,** you can sow in continuous rows, or in hills. You can get more and better crops on the same ground with far less labor and greater satisfaction to yourself. You can get fertilizer attachments with which to dress the rows and force growth. **A woman, boy or girl** can easily operate any **"IRON AGE"** garden tool. They are indispensable in small gardens as well as large.

More than 25 years' experience selling garden tools has shown us that the "Iron Age" line is the best in every way. Built right, of the best materials obtainable and designed to do all the sowing and cultivating necessary in a first-class garden. They are complete adaptable tools—the kind you don't want to part with after you have once used them and know what they will do for you.

Transportation charges prepaid to any railroad stations in the United States within 500 miles of Chicago or New York, on order for seeds and tools amounting to $7.50. (Seeds not prepaid unless so offered on other pages.)

No. 6 Combined Double and Single Wheel Hoe, Hill and Drill Seeder.

Price Complete $12.00

The most practical and complete garden tool on the market—four machines in one—a hill seeder, a drill seeder, a double wheel hoe to work astride the rows, a single wheel hoe to work between—each form complete and the equal of any tools on the market made as separate tools for separate purpose. The cut shows No. 6 set up as a seeder—sows accurately in hills at 4, 6, 8, 12 or 24 ins. apart or in drills with a quick change from one to the other—requires little power to operate it because it is light and easy running—is well constructed on sound principles and will wear well—is easily and simply adjusted.

No. 4 Combined Double and Single Wheel Hoe, and Drill Seeder is like No. 6 except it sows in drills only and has a different plow. **Price $11.00.**

No. 15 Combined Single Wheel Hoe, Hill and Drill Seeder

Price Complete $11.00

A thoroughly practical and complete combination. Will accomplish about all the work of the No. 6, except that it is a Single Wheel Tool. Takes about same tools and attachments as the No. 6. In its Seeder form sows either way, in drills or hills. Has strong hollow steel tube frame, the 16 in. wheel and is simply and easily changed and adjusted. When wanted as Hill and Drill Seeder only, order No. 16. **Price, $8.50**

No. 17 Combined Single Wheel Hoe and Drill Seeder is same as No. 15 except that it has no hill-dropping device. **Price $10.00.**

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No. 12. Wheel Plow and Cultivator.

Price $3.50

An extremely light, yet strong tool, designed for use in a small kitchen garden—it will plow, open furrows and cover them, hoe, rake, cultivate or ridge crops. It is not a cheap tool but is sufficiently low-priced to be within the reach of any laborer, mechanic, or owner of small garden with little money to invest in tools, or time to spare for anything but straight ahead cultivation.

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No. 1 Combined Double and Single Wheel Hoe.

Price Complete $7.00

This is the Wheel Hoe form of the No. 6. Can be made into Single Wheel Hoe in one minute. Cultivate astride the row close up on each side without injury to the plants or between any width rows with hoes reversed. The steel wheel is 16 in. high, runs easier and don't drop into the low places as a low wheel would do. The frame is made of hollow steel tubing, securely attached to malleable castings—light and very strong. Takes all of the tools shown and various attachments for special work including Drill Attachments to sow in continuous rows or both drills and hills. The latter are $4.00 and $5.00 respectively. If this Wheel Hoe is wanted plain with hoes only, order as No. 3. **Price, $4.25.**

No. 20 Single Wheel Hoe.

Price Complete $6.00

Thn Wheel Hoe form of No, 15. Tools include side hoes, cultivator teeth, rakes and landside plow. Seeder attachments for drill and hill or drill only can be applied any time. When wanted plain, with side hoes only, order No. 21. **Price, $4.00.**

No. 25 Fertilizer Distributor and Attachment.

Capacity 4 quarts. Sows across the bottom of the furrow, or on either side or as side dressing for the growing crop. Side dressing is practiced more each year—forces maturity of the crop, making it more tender and salable. This attachment makes a complete practical tool at small expense.

This attachment is made to be applied to frame of the No. 20 Single Wheel Hoe. **Price, $4.50**

If wanted complete with frame wheel and handles.

Price, $8.00

Price, Attachment, $4.50

No. 19 C Wheel Cultivator and Plow

Price No. 19 C $3.50

24-inch Wheel Steel Frame; Adjustable Handles.

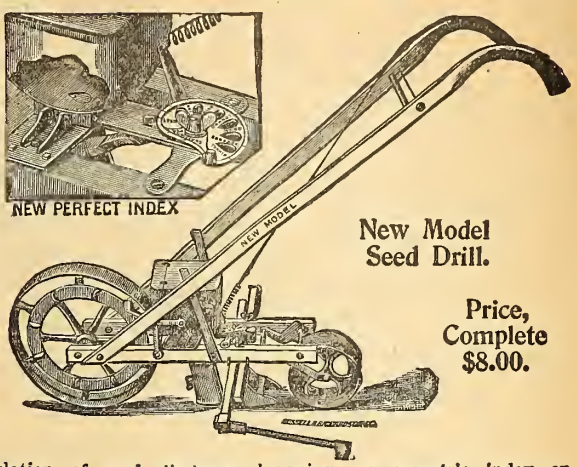
The working tools include set of three cultivating teeth, separate wide and narrow cultivating teeth, scuffle hoe, and landside plow.

SPECIAL DELIVERY

By reason of our central location at Chicago and New York City, and by special arrangement with seedsmen known to us in other large cities, we are prepared to make QUICK SPECIAL DELIVERY of both Iron Age, and other gardening tools generally within 2 days from receipt of order, often in one day.

NEW PERFECT INDEX

New Model Seed Drill.



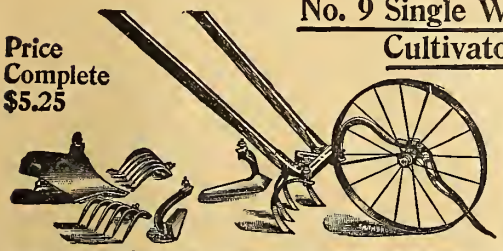
Price, Complete $8.00.

New Model Seed Drill.

Popular with seedsmen and market gardeners. Exact regulation of seed discharge by using an eccentric index or indicator which adjusts the slide for seed opening exactly where you want it. No series of holes which have to be used whether they answer or not. A swinging cut-off stops flow of seed—does not jam with falling seed.

No. 9 Single Wheel Hoe, Cultivator, Plow and Rake.

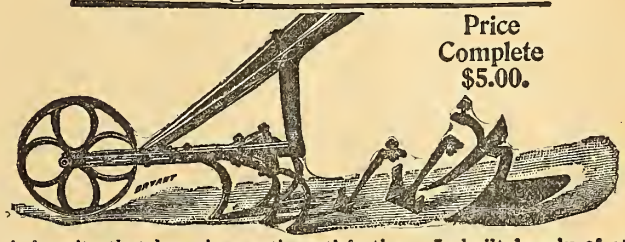
Price Complete $5.25



For the kitchen, garden and poultry yard — there is use for it during all of the busy months. While it is a single wheel hoe, young plants can be hoed on each side at the same time, by placing the wheel on left side of frame. Complete set of tools furnished.

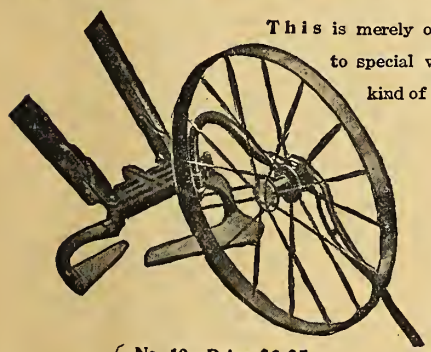
"Gem" Single Wheel Garden Hoe.

Price Complete $5.00.



A favorite that has given entire satisfaction. Is built largely of steel and malleable iron. Wheels and handles adjustable for height. Tools held in notches on under side of frame cannot get loose or slip when working. The tools include five slender cultivator teeth, two sizes of cultivator teeth and a pair of plows which can be used separately or together.

No. 10 Wheel Hoe—A Good Tool With Which to Work Onions.



No. 10--Price $3.25

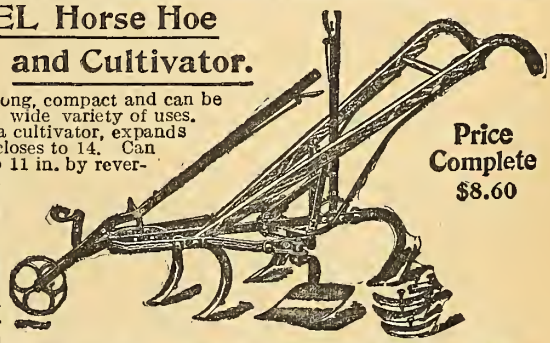
This is merely one form of No. 9, adapted to special work, but may be used in any kind of hoeing. Also note that

No. 18 B Iron Age Drill

is fitted with special opening Plow, which allows sowing seed for Onions, other than sets, in very narrow rows, This does away with hand weeding, as No. 10 can hoe close without injuring the plants. Price No. 18 B, $7.50.

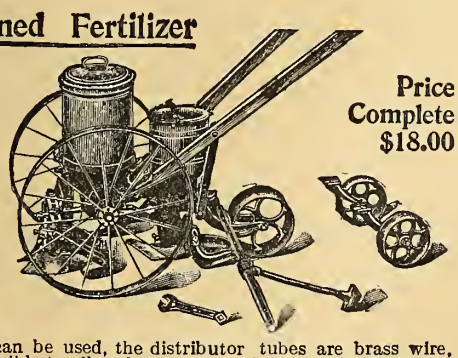
No. 600EL Horse Hoe and Cultivator.

Is light, strong, compact and can be adjusted for a wide variety of uses. When used as a cultivator, expands to 30 in. and closes to 14. Can be narrowed to 11 in. by reversing standards. Has long high steel frame that makes the tool run steady and clear of trash. As shown in the cut has lever expander and lever wheel. Can be furnished with plain wheel, Price $8.00, or with plain wheel and without lever expander, Price, $7.00.



Price Complete $8.60

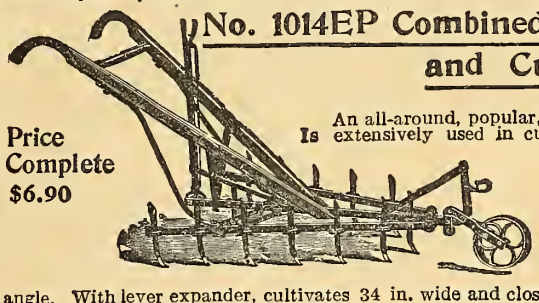
No. 22 Combined Fertilizer Distributor, Hill and Drill Seeder.



Price Complete $18.00

Applies the fertilizer in connection with the seed, just where it will do the most good. The fertilizer is sown by force feed — no stoppage from small lumps. Coverers draw the soil over the fertilizer soon as sown, two opening plows are provided—one or both can be used, the distributor tubes are brass wire, will not rust and are flexible to allow for narrow and wide adjustments of the plows. The seed attachment is practically same as used on Nos. 6 and 15. Sows in continuous rows or drops in hills. Can be used as side dresser and is sold as such only when so ordered.

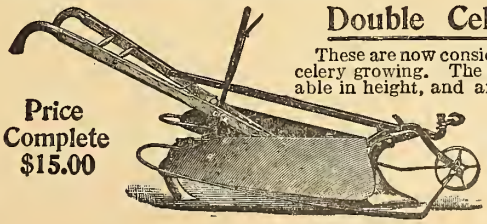
No. 1014EP Combined Harrow and Cultivator.



Price Complete $6.90

An all-around, popular, adaptable tool. Is extensively used in cultivating sugar beets. Has diamond-shaped steel teeth with cultivator point forged on one end. They are adjustable for depth and angle. With lever expander, cultivates 34 in. wide and closes to 11. When furnished without wheel, Price, $6.25.

Double Celery Hiller.



Price Complete $15.00

These are now considered indispensable in celery growing. The leaf lifters are adjustable in height, and are especially valuable for first workings. Fitted with lever wheel, hilling blades, 43 inches long, adjustable in height or width as wanted.

Note: New Line of

IRON AGE BARREL SPRAYERS

is shown on page 151

VAUGHAN'S POULTRY DEPARTMENT

PRAIRIE STATE INCUBATOR

Tbe Prairie State stands as tbe criterion in modern incubator construction and design.

As evidence of tbe adaptability of Prairie State Incubators—their latitude of efficiency under any conditions and in any climate—we refer to tbeir equally successful operation in tbe beat of tbe West Indies and the Tropics, or in tbe cold rugged climate of northern Canada.

Tbey are constantly in use in Australia, South Africa, and in every part of tbe United States, in Florida, and along tbe Gulf Coast, where bumidity is higb and wbere it is low, and likewise in tbe bigbest and dryest elevations of tbe Rocky Mountains.

Their construction is sucb as to make tbem of highest utility in any ordinary room in summer or in winter, without artificial beat in the coldest weatber.

Tbe Prairie State Incubator case is insulated, beavy and permanent. Tbe heater is powerful and efficient, ventilation is free, and humidity is automatically supplied under every possible external condition. Tbe regulator is sensitive and automatic.

The widest practice bas conclusively demonstrated tbe entire Prairie State make-up to be sucb as to insure a latitude greater tban tbat of any otber incubator on the market today.

An efficient, gas-tigbt beater of absolutely new design, approved by tbe National Board of Fire Underwriters, inspected by tbeir authorized inspectors, and labeled by tbe Underwriters Laboratories, renders every Prairie State Incubator **INSURABLE** in any location witbout increased insurance rates. Tbis heater supplies a constant current of warm fresh air to tbe upper part of tbe case wbicb is distributed by a patent metal radiator, inducing circulation and distributing warm air to tbe cold parts of tbe macbine by means of eddy-currents, witb consequent uniform distribution under great ranges in temperature. The metbod insures proper temperatures and proper ventilation, air being applied at about tbe rate of ten cubic feet per minute.

No. 0—100 eggs, 135 lbs. crated, price.....**$18.00**
No. 1—150 eggs, 150 lbs. crated, price..... **22.50**
No. 2—240 hen eggs, 225 lbs. crated, price..... **32.00**
No. 3—390 ben eggs, 325 lbs. crated, price..... **38.00**

Prairie State "Keystone" Incubator

A reliable, durable, tborougbly practical and satisfactory machine in every way. The case is substantially constructed to withstand all outside atmospberic and temperature cbange. Tbe hot air heating system gives tbe very higbest efficiency, supplying all parts of the machine with pure warm air while an accurate and sensitive regulator absolutely prevents overheating. Very simple and economical, and a most desirable macbine for batcbing chicks for one's own use. Made in 2 capacities:

No. 0—Keystone, 60 ben eggs; 60 lbs. crated, price .....**$ 9.00**
No. 1—Keystone, 100 ben eggs; 80 lbs. crated, price..... **12.00**

Prairie State Universal Hovers

This device is wbat is used in Prairie State colony brooders. On account of its adaptability to so many varying conditions, the bover can be used in any style of a box, brooder or colony bouse, baving two feet square or more of space—requires no cutting of floors, furnisbes a top beat and does not weaken your chicks witb bottom beat.

Hover witb lamp case, smoke conductor, lamp and tbermometer.....**$7.00**
(When used indoors alone, lamp case is not required.)
Hover and lamp with smoke pipes..... **6.00**
Witb regulator attacbed $1.00 extra.

Prairie State Portable Hover

An all-metal, asbestos-lined bover, complete with tbermometer and regulator.
No. 1—Capacity 65 to 100 chicks, 50 lbs. crated, price.....**$9.00**

Prairie State Combination Colony Brooders

Tbese brooders are made in tbree sizes, designated as Numbers 1, 2 and 3 giving a cboice of floor space of 18, 12½ and 9 square feet respectively. Tbey offer sufficient scope for almost any flock of ordinary size. Tbe two larger sizes are two-compartment brooders baving nursery room witb hover separated from scratcb room or sun parlor by a one incb partition witb low wide door at bottom and slit cotton velvet curtain wbicb gives the chicks easy access to or from either room. Tbe number 3 brooder bas both scratcb room and nursery in one compartment. In all tbree brooders the floor is 6 inches from tbe ground, making it dry and warm.

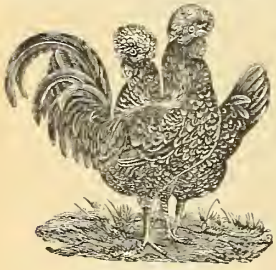
No. 1—(outdoor) weight, crated, 300 lbs **$20.00**
No. 2—(outdoor) weigbt, crated, 208 lbs..... **16.00**
No. 3—(outdoor) weight, crated, 150 lbs..... **12.00**
Heat regulator attacbed to any of tbe above brooders $1.00 extra

Prairie State Stove Brooder

Tbis most modern of all brooding equipments has been developed to meet tbe demand of very recent years, for a device adaptable to the rearing of large flocks, from 250 to 1000 or more, wbicb sbould be at once ligbt in weigbt, indestructible, safe, sanitary and portable. It is not an ill-conceived make-shift, burriedly marketed to meet a passing demand, but a thoroughly reliable brooder.

It is a solid cast iron stove resting firmly on its base with no legs to form a hot space under wbicb cbicks might crowd and be burned. Tbe stove contains no sbeet iron. Fresb air enters at base on a level witb grate and draft is controlled by a sensitive, accurately balanced, triple-control regulator witb wafer tbermostat, all working parts being located under the canopy and so protected. Tbe canopy is 52 inches in diameter, reinforced and hinged in tbe center, permitting the front balf to be raised and booked to chimney.

Gross weight 245 lbs. **Each $30.00,**



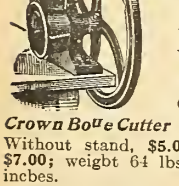
HOUDANS

PRICES OF STOCK FOR BREEDING Furnished on Application.

POULTRY SUPPLIES

BONE CUTTERS

Humphrey's Bone Mill. Open hopper. Four cutting knives. Very reliable macbine; simple, durable and economical, easy to clean, and not liable to get out of order.



No. 1—Hand Power.....**$12.00**
No. 2—Power only..... **13.50**
No. 2½—Hand and Power **15.00**

Crown Bone Cutter. Macbine for 50 to 100 hens.
Weigbt witb stand, 80 lbs.**$8.00**
Witbout stand, 50 lbs..... **6.50**

Crown Bone Cutter

Wilson Dry Bone Mill.—Grinds grain, stone, etc. Economical, and easily operated Without stand, **$5.00;** weigbt 33 lbs. Witb stand, **$7.00;** weigbt 64 lbs. Diameter of band wheel 22 incbes.

Wilson No. 0 Grist Mill will grind or crack all kinds of grain. Witbout stand, weigbt 30 lbs. Price **$5.00.** With stand, weight 60 lbs. Price, **$7.00.**

Humphrey Clover Cutter. Balance wbeel makes work easy. Price **$10.00.**

Caponizing Sets. Book of Instructions witb every set. Philadelphia Caponizing Set, complete, **$2.50.** Farmer's Caponizing set, complete, **$3.00.** Special Caponizing set, complete, mailing weigbt 8 ozs., **$4.00.**

Success Whitewash and Spray Pump. Price, complete, **$4.00.**

O-2, Whitewash Sprayer. Compress Air. Price, **$6.50.**

Spring Lever Poultry Punch. Best puncb made. Price, postpaid, **27c.**

Leader Adjustable Leg Bands. Prices, doz., **15c;** 25, **25c;** 50, **40c;** 100, **75c;** postpaid.

Improved Champion Leg Bands. Prices, doz., **15c;** 25, **25c;** 50, **40c;** 100, **75c;** postpaid.

Smith Sealed Leg Bands. Prices, doz., **30c;** 25, **50c;** 50, **$1.00;** 100, **$1.50.**

Sealers. For Smitb-sealed Leg Bands, mailing weight 5 ozs. Prices, plain, **50c;** nickeled, **75c.**

Wire Hen Nests. Eacb, **15c;** ½-doz., **75c;** doz., **$1.50.**

Porcelain Nest Eggs, 3c eacb; 2 for **5c;** doz., **25c.**

Peerless Hot Water Drinking Fountain. Price, **$1.50.**

Moe's Top Fill Drinking Fountain. 1 gal., **$1.00;** 2 gal., **$1.50;** 4 gal., **$2.00.**

Prairie State Fountains. Made of galvanized iron. 1 qt., eacb, **20c;** doz., **$2.00;** 1 gal., eacb **35c;** doz., **$3.25;** 2 qt., eacb, **25c;** doz., **$2.75;** 2 gal., eacb, **50c;** doz., **$4.75.**

Vaughan's Earthenware Fountain. Prices, 1 qt., each, **20c;** doz., **$2.25;** 2 qt., eacb, **30c;** doz., **$3.35;** 4 qt., eacb, **40c;** doz., **$4.50.**

Vaughan's Grit and Shell Box. Three compartments; very economical. Price, **50c;** per doz., **$5.50.**

Hub Chick Feeder. Absolutely sanitary. Price, 9-in. feeder, **35c;** 15-in. feeder, **50c.**

Reliable Egg Carrier. Compact and durable. A No. 1 Fillers, each, **50c;** per doz., **$4.25.**

Square Style Egg Carrier. Per doz., **15c;** 25 for **25c;** 50 for **45c;** 100 for **75c;** 1000 for **$7.00.**

All Wood Shipping Coops. Best on tbe market.

No.	Lengtb	Widtb	Heigbt	Eacb	Per Doz.
1	12	18	18	$0.30	$3.25
2	18	18	18	.35	3.65
3	12	21	21	.35	3.75
4	18	21	21	.40	4.50
5	24	21	21	.50	5.50
6	30	21	21	.55	6.00

PIGEON SUPPLIES

Nest Bowls. Clayor Fibre. Price, eacb **15c;** doz. **$1.25.**
Jersey Perch. Best on the market. Eacb, **6c;** doz., **65c.**
Vaughan's Pigeon Food. Put up as follows:
5-lb. cartons.....**$0.25** 50-lb. sacks.....**$1.50**
25-lb. sacks..... **1.00** 100-lb. sacks..... **2.50**
Foust's Health Grit. An all-around condition powder. 5 lbs., **25c;** 25 lbs., **75c;** 50 lbs., **$1.15;** 100 lbs., **$2.10.**

POULTRY BOOKS

Tbe American Standard of Perfection. Clotb...**$2.00**
Farm Poultry Doctor. By Dr. W. N. Sanborn.. **.50**
Money in Broilers and Squabs. By M. K. Boyer. Best Book Publisbed..... **.50**
Poultry Craft. By J. H. Robinson. 272 pp.... **2.00**
Poultry Account Book..... **.50**
The Practical Poultry-Keeper. By Lewis Wright. 300 pp. Profusely illustrated..... **2.00**
The Bantam Fowl. By T. F. McGrew. Only complete Bantam Book. 60 illustrations..... **.50**
999 Questions and Answers—On Poultry, Turkeys, Geese and Ducks, Diseases, Eggs, Incubators and Buildings. By Frank Heck..... **.50**
Reliable Poultry Remedies. Full instructions, 64 pp. 5x6 inches. Price..... **.25**
Tbe Plymoutb Rock—Barred, Buff and White. By experts in breeding..... **1.00**
Tbe Wyandottes—Silver, Golden, White, Buff and Partridge. By experts. 160 pp..... **1.00**

NOTICE—All poultry orders of $3.00 and over are delivered free within 25 miles of our Chicago store (oyster shells and grit excepted unless accompanied by general order). Outside this limit prices F. O. B. Chicago. This does not apply to wholesale orders, nor goods in cases, sold on special quotations.

POULTRY FEEDS AND CONDITION POWDERS

VAUGHAN'S GROUND BEEF SCRAPS

Or Prepared Meat for Poultry

This is the finest thing to stimulate hens during the winter. Mix with the daily mash and feed three times a week at the rate of 1 oz. to each fowl.

100 lbs	$3.50	25 lbs	$1.15
50 lbs	1.90	5 lbs	.25

VAUGHAN'S MEAT AND BONE

This is a special preparation containing all the elements of our meat meal with the addition of fine ground bone, thus furnishing more lime to laying hens and producing a food of great strength and growing properties for maturing stock.

100 lbs	$3.00	25 lbs	$1.10
50 lbs	1.80	5 lbs	.25

CRUSHED OYSTER SHELLS

100 lbs	$0.85	25 lbs	$0.25
50 lbs	.50	5 lbs	.10

CONKEY'S STARTING FOOD

3 lbs	$0.25	6½ lbs	$0.50

GROUND BONE

200 lbs	$5.75	25 lbs	$0.90
100 lbs	3.00	5 lbs	.25
50 lbs	$1.75		

CHARCOAL

Coarse Ground or Granulated

100 lbs	$2.25	10 lbs	$0.50
50 lbs	1.25	1 lb	.10

HULLED OATS

100 lbs	$3.85	25 lbs	$1.15
50 lbs	2.00	4 lbs	.25

CRACKED CORN

Valuable for mixing and feeding with other grains.

100 lbs	$2.25	25 lbs	$0.75
50 lbs	1.25	5 lbs	.20

ALFALFA CLOVER MEAL

100 lbs	$2.25	25 lbs	$0.75
50 lbs	1.25	10 lbs	.40

YANKEE CORN

100 lbs	$2.75	25 lbs	$0.90
50 lbs	1.50	10 lbs	.45
5 lbs	25c		

HARD RED WHEAT FOR PIGEONS

Extra choice recleaned seed.

100 lbs	$2.75	50 lbs	$1.60
5 lbs	25c		

TARES OR VETCHES

Used extensively for feeding pigeons.

100 lbs	$5.25	25 lbs	$1.60
5 lbs	40c		

PRATT'S BABY CHICK FOOD

3 lbs	$0.25	6½ lbs	$0.50

PHEASANT FOOD

Crissel or Prairie Meat

100 lbs	$5.75	25 lbs	$1.65
50 lbs	3.00	5 lbs	.35

Spratt's Game Meal

100 lbs	$6.00	25 lbs	$1.90
50 lbs	3.25	5 lbs	.40

VAUGHAN'S ZENITH HEN FEED

Contains no grit or shell. Every ounce is pure, sound grain. We choose all the grain very carefully and after mixing it an electric apparatus removes the dust. The mixture is scientifically prepared to make it the cleanest feed and best balanced ration. It is ideal for maturing chicks and laying hens.

Because Zenith is an all-grain mixture it is advisable in feeding to supply, in addition, Grit, Bone, Meat Meal, Charcoal and Green Food. If fed in a litter of cut clover or hay, scratching is necessary and is an extremely beneficial exercise for the poultry.

100 lbs	$2.35	25 lbs	$0.75
50 lbs	1.25	10 lbs	.35
5 lbs	20c.		

VAUGHAN'S CHICK FEED

This contains all that is necessary for chickens until they are four or five months old, except water (or preferably skimmed milk) to drink, and clean fresh grass or green feed. With proper care and attention to their surroundings this Food will raise every chick. Never feed more than they will eat up clean and make them hunt or scratch for most of it. Turn food out and mix well together, as grit and small seeds settle to the bottom of packages.

GRADES

Fine. For chicks up to six weeks old.

Coarse. For chicks 6 weeks to 4 months old.

Chicks grow strong and healthy if fed with **Vaughan's Chick Feed.**

NET PRICES

100-lb bags	$2.50	25-lb. bags	$1.00
50-lb bags	1.50	5-lb carton	.25

POULTRY REMEDIES

CONKEY'S LICE LIQUID

The Mite requires entirely different treatment than the louse. No powder will entirely rid you of the Mite and until you are rid of him he will multiply until every fowl you have is rendered useless from exhaustion. The Mite will do more to reduce the profit of your fowls than all other varieties of vermin combined. Conkey's Lice Liquid will immediately destroy these terrible pests and will rid your poultry house of its greatest profit killer.

Price, 1 qt. can, 35c; ½ gal., 60c; gal., $1.00

Conkey's Noxicide. Disinfectant, deodorant and germ diastase. Price, 1 pt., 35c; 1 qt., 60c; 2 qt., 90c.

Sandford's Liquid Lice Killer. Successfully exterminates lice. Price, 1 qt., 35c; ½ gal., 60c; 1 gal. $1.00.

CONKEY'S LAYING TONIC

Price, 1½-lb. pkg..25c 3¼-lb. pkg.....50c

PRATT'S POULTRY FOOD

26-oz. pkg., ea...$0.25 4-lb. pkg., ea....$0.50
26-oz. pkgs., per doz....$2.50.

GROUND RED PEPPER

Mix this with red albumen for a worm food.

Per lb.....$0.35

VAUGHAN'S GOOD HEALTH FOR POULTRY

A positive cure and preventive for colds; sore mouth, canker, sore eyes, sore breast, back or shoulders, cracked heels, thrush, wounds, sores, saddle galls and roup.

Large Bottle.....$0.50
Small Bottle..... .25

Conkey's Head Lice Ointment. Price, 1 oz., 10c; 3 oz., 25c.

Sandford's Lice Powder. Price, 15 oz., 25c; 48 oz., 50c; 100 oz., $1.00.

Conkey's White Diarrhoea Remedy. Mailing weight, small, 4 oz; large, 7 oz. Price, large box, 50c; small box, 25c.

Conkey's Roup Remedy. Mailing weight, small 5 oz; large, 11 oz. Price, 50c and $1.00, postpaid.

Conkey's Poultry Conditioner. A general invigorator. Mailing weight, 28 oz. Price, 25c.

Conkey's Lice Powder. It is also an effective disinfectant. Price, 15 oz., 25c; 48 oz., 50c; 100 oz., $1.00.

Conkey's Roup Pills. Very convenient for treating individual birds, large pkg., 175 pills, 50c; small pkg., 75 pills, 25c.

Conkey's Sore Head and Chicken Pox Remedy. Package containing ointment for sores and powder for internal treatment, small pkg., 25c; large pkg., 50c.

Conkey's Gape Cure. Per can, 50c.

Conkey's Scaly Legs Remedy. Per can, 50c.

Pratt's Roup Cure. Package, 25c; 50c; and $1.00.

Pratt's White Diarrhoea Remedy. Package, 25c; larger, 50c.

Pratt's Sore Head and Chicken Pox Remedy. Package, 25c.

Pratt's Gape Remedy. Package, 25c.

Pratt's Condition Tablets. Package, 25c.

Pratt's Cholera Remedy. Package, 25c; larger, 50c.

Pratt's Lice Killer (Powder). 1-lb. can, 25c; 2½-lb. can, 50c.

Pratt's Lice Killer (Liquid). Quart, 35c; 2 qts., 60c.

VAUGHAN'S SPECIAL REMEDIES

Used extensively by all who have tried them.

Zenith Roup Cure, 50c, $1.00.

Magic Liquid Roup and Cholera Cure, 1 pint can, 50c.

BLATCHFORD'S MILK MASH

Best substitute for milk. Contains dry milk, grains, bone meal, beef scrap, bran and grit, combined in the right proportion for baby chicks.

8⅓-lb sacks	$0.35
25-lb sacks	1.00
100-lb sacks	3.00

BLATCHFORD'S EGG MASH

Dry milk and ground grains, prepared so as to make a splendid everyday feed, and to stimulate egg production.

8⅓-lb sacks	$0.30
25-lb sacks	.75
100-lb sacks	2.75

PURINA CHICKEN CHOWDER

A dry mash to be left in open hoppers at all times The more your poultry eats of this the better. It contains just the nutriments for rapid development, and large egg production.

8⅓-lb sacks	$0.25
25-lb sacks	.75
100-lb sacks	2.75

VAUGHAN'S SEED STORE issues a Special Poultry Catalogue showing a full line of Drinking Fountains, Hoppers, Grit Boxes, Feeders and Exercisers, Shipping Coops, Exhibition Coops, etc., from which much valuable information can be obtained for the poultrymen. This catalogue will be sent free for the asking.

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Some Illustrations of a Year's Activity in the Various Departments of Vaughan's Seed Store

The view of the Vaughan Farm at Homewood. Ill., shows the new Farm House erected the past summer. At Homewood, trials of many flowers, vegetables, plants and field crops are made yearly. The past season some 200 varieties of Gladioli were tested and observed. Special crops and stocks are also produced.

The Morton Grove Onion Set Warehouse built the last summer is, we think, the superior of any Onion Storage building to date. It is of hollow tile construction with four dead air spaces in both roof and walls besides a layer of insulating flax fiber to keep out the cold. Perfect ventilation is afforded by a pitched roof and seven patent ventilators which change the air once every two minutes in warm weather and once every six minutes in cold weather. There are eleven double doors and double windows every few feet. The floor is cement, insulated from the outside, and a double hay rack team can drive thru the house.

The New Vaughan Warehouse at Ovid, Mich., is 150x50 ft., three stories and basement located on the Grand Trunk R. R. Track. This we use for storing, cleaning and drying of such crops as Beans, Sweet Corn, Field Corn, Potatoes, Bulbs, etc., that we raise in Michigan on the Vaughan Farm.

At Ovid, Mich. we raised 40 acres of Gladioli alone this year. The picture shows a field of "Augusta" Gladiolus growing.

View at The Vaughan Farm Homewood Illinois

Onion Set Warehouse at Morton Grove Ill.

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Warehouse Michigan Growing Station Ovid Mich.

Onion Set Warehouse at Morton Grove Ill.

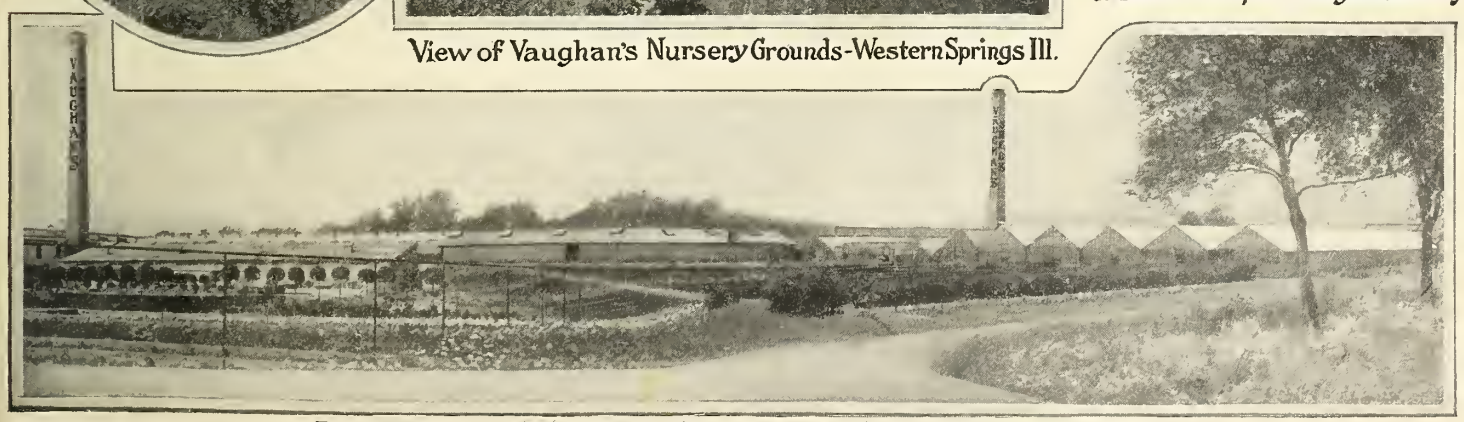
At Western Springs many acres of new nursery plantings were made in 1915 and after reconstructing and improving last year a part of the greenhouse plant destroyed by fire, we have this year added some 12 new houses several of which are especially constructed for growing Perennials a rapidly growing department.

Gladioli at Vaughan's Ovid Mich. Farm

Fruit Trees-Vaughan's Nursery

Koster's Blue Spruce-Vaughan's Nursery

View of Vaughan's Nursery Grounds-Western Springs Ill.



Panoramic View of Vaughan's Greenhouses at Western Springs Illinois

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